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CH2MHILL

March 10, 2003
172769

Mr. Bob Eller
Siting Project Manager
California Energy Commission
1516 Ninth Street, MS-15
Sacramento, CA 95814-5504

RE: Data Response, Set 1D
Walnut Energy Center (02-AFC-4)

On behalf of the Turlock Irrigation District, please find attached 12 copies and one original of the Data Responses, Set 1D, in response to Staff's Data Requests dated January 23, 2003. We are also filing copies of this Data Response electronically.

This filing contains responses to the following first round data requests:

- Air Quality: 2, 4 (revised), 17-19 and 23
- Cultural Resources: 44, and 45
- Visual Resources: 74 (KOP 3 only)

This filing completes our responses to the first round of Data Requests. Please call me if you have any questions.

Sincerely,

CH2M HILL

John L. Carrier, J.D.
Principal Project Manager

c: Project File
Proof of Service List

WALNUT ENERGY CENTER (02-AFC-4)

DATA RESPONSE, SET 1D

(Responses to Data Requests: 2, 4 (revised), 17-19, 23, 44, 45 and 74 (partial)

Submitted by

TURLOCK IRRIGATION DISTRICT (TID)

MARCH 10, 2003

CH2MHILL

2485 Natomas Park Drive, Suite 600
Sacramento, California 95833-2937

WALNUT ENERGY CENTER
(02-AFC-4)
DATA RESPONSES, SET 1D

Technical Area: Air Quality
CEC Authors: William Walters and Lisa Blewitt
WEC Authors: Jeff Adkins and Gary Rubenstein

BACKGROUND

The AFC notes that the Walnut Energy Center will be located adjacent to Turlock Irrigation District's existing Walnut Peaking Power Plant. However, certain information regarding the Walnut Peaking Power Plant was not provided in the AFC, and is not otherwise readily available. In order to better understand the overall impacts of all sources at the project site, staff requests more information regarding the Walnut Peaking Power Plant.

DATA REQUESTS

2. Please identify all of the non-permitted emission sources at the Walnut Peaking Power Plant and their estimated hourly and annual emissions.

Response: The only non-permitted emission source at the Walnut Peaking Plant is a standby emergency generator engine located at an adjacent switchyard. This engine was installed about 1976 and is not operated as part of the plant, but rather as an emergency power source for the switchyard. This engine was not subject to permit requirements when it was originally installed.

TID has now applied for a permit to operate for this engine. A copy of the permit application is attached to this response, as Attachment AQ-2. We have also included an updated plot plan showing the location of the engine (see amended response to Data Request # 4).

The engine is operated for a maximum of one hour per day, one day per week for testing. Hourly and annual emissions are summarized in table AQ-2 below.

TABLE AQ-2
Walnut Switchyard Emergency Generator Engine Emissions

	NOx	CO	VOC	PM10	SOx
Hourly (lb/hr)[1]	3.6	0.8	0.3	0.3	0.04
Annual (lb/yr)[2]	187.2	41.6	15.6	15.6	2.1

Notes:
Hourly emissions based on EPA AP-42, Table 3.3-1 (10/96), and 117 Bhp engine rating.
Annual emissions based on 52 hours per year operation for testing.

4. Please, on a legible plot plan, show the location of the Walnut Peaking Power Plant exhaust stacks in relation to the proposed Walnut Energy Center exhaust stacks.

Response: This response amends our previous response to this data request. An amended plot plan showing revised location coordinates for the Walnut Peaking Power

Plant turbines is provided as Figure AQ-4R. This plot plan replaces and supercedes the plot plan provided in our previous response.

BACKGROUND

A general discussion of emission scenarios possible during commissioning, and emission rates and stack parameters used in the commissioning modeling analysis are provided in the AFC (page 8.1-49 and Table 8.1-21). Staff requires additional information regarding initial commissioning.

DATA REQUESTS

17. Please provide a description of the project's planned initial commissioning phase, including the types and duration's of equipment tests, criteria pollutant emissions, estimated stack parameters (i.e. velocity and temperature) for each test type, and monitoring techniques to be used during such tests.

Response: The following is a description of the equipment tests that will occur during the gas turbine/HRSG commissioning. During all commissioning activities the NOx, CO, and O_2 continuous emissions monitoring systems will be operational, but will not be certified. The fuel flow monitoring equipment will also be operational during the commissioning period.

- Full Speed No Load Tests (FSNL) - These tests will occur over approximately a 3-day period per gas turbine/HRSG. The tests include a test of the gas turbine ignition system, a test to ensure that the gas turbine is synchronized with its electric generator, and a test of the gas turbines over-speed system. During the tests, the heat input to the gas turbine will be up to approximately 20 percent of the maximum heat input rating.
- Part-load Tests - These tests will occur over approximately a 6-day period per gas turbine/HRSG. During the tests the gas turbine combustor will be tuned to minimize emissions and HRSG/steam line checks will be performed. During the tests, the heat input to the gas turbine will be up to approximately 50 percent of the maximum heat input rating.
- Full-load Tests (SCR Not Operational) - These tests will occur over approximately a 2-day period per gas turbine/HRSG. By the beginning of this test period, the gas turbine combustor will be completely tuned. Since the ammonia injection system will not be operated during this testing period, the SCR system will not be operational. The tests will include further checks on the HRSG and steam lines. During the tests, the heat input to the gas turbine will be up to approximately 100 percent of the maximum heat input rating.
- Full-load Tests (SCR Partial Operation) - These tests will occur over approximately a 1-day period per gas turbine/HRSG. During the tests the ammonia injection system will be tuned to minimize NOx. During the tests, the heat input to the gas turbine will be up to approximately 100 percent of the maximum heat input rating.

- Full-load Tests (SCR Fully Operational) - These tests will occur over approximately a 12-day period. By the beginning of this test period the SCR system will be completely tuned and achieving NOx control at design levels. During the tests, the heat input to the gas turbines will be up to approximately 100 percent of the maximum heat input rating.

Attachment AQ-17 is an analysis of the emissions during the commissioning of the WEC project. Stack parameters for full load and 50 percent load cases are included in Table 8.1-B2 of the AFC. Stack parameters for the 20 percent load (full speed no load) case are unknown, so 50 percent load stack parameters should be used to model this case.

18. Please provide the total duration for initial commissioning per turbine, estimate the total period commissioning period emissions, and estimate the number of hours operating with elevated emissions (i.e. greater than normal operating emissions), and specify whether if any of the commissioning activities will be performed simultaneously for the two turbines.

Response: Total emissions during the commissioning period are detailed in Attachment AQ-17. The total duration of commissioning activities at elevated emissions levels are estimated to be less than 300 hours per turbine. As a worst case, commissioning activities are assumed to occur with one turbine in commissioning and the other turbine operating at full load and maximum permitted emission rates.

BACKGROUND

In the AFC (page 2-18), the Applicant states that noisy construction "will be scheduled between 7 a.m. and 7 p.m. on weekdays and 9 a.m. to 8 p.m. on weekends and holidays." The modeling files, however, show construction from 6 a.m. to 6 p.m. Staff feels this discrepancy could affect construction modeling results due the high impacts normally associated with low mixing heights and low wind speeds that occur during early morning hours.

DATA REQUEST

19. Please verify the basis for maximum daily construction hours. Please provide updated construction emissions tables and modeling files as necessary.

Response: The construction modeling was performed for the worst-case operating day, which would occur on a 6 AM to 6 PM schedule. On days projected to result in high noise, construction activities will occur later in the day, thus avoiding more of the early morning meteorological conditions, and resulting in lower emission impacts.

However, we have reviewed or construction modeling results and determined that these results overstate expected impacts. We have revised these modeling results as follows:

In the original construction modeling, we inadvertently used g/sec emission rates based on a 10-hour working day to model impacts over a 12-hour modeling period. The g/sec

emission rates were revised to reflect a 12-hour working day and the modeling was re-run for the 12 hour (6 AM to 6 PM) modeling period.

In the original construction modeling, the area source for the dust and combustion emissions was limited to the area in the immediate vicinity around the gas turbines (i.e., limited to the area within the maintenance road that surrounds the gas turbines). Because the construction emission sources include onsite pipeline installation, delivery truck onsite travel, wind erosion of gravel parking and laydown areas, fork lift operation, fifth wheel tractor operation, and worker onsite travel, the area source was expanded to cover the laydown area and worker parking area.

The combination of the above two changes reduced the 24-hr avg. PM_{10} impacts from 109 $\mu g/m^3$ to 42 ug/m^3 and reduced the annual avg. PM_{10} impacts from 11 $\mu g/m^3$ to 4 $\mu g/m^3$. In addition, the NO_2 OLM 1-hr impacts were reduced from 254 $\mu g\ m^3$ to 147 $\mu g/m^3$ and the annual NO_2 impacts were reduced from 38 $\mu g/m^3$ to 15 $\mu g/m^3$. The SO_2 and CO modeling impacts were also reduced. Table 8.1D-4R has been revised to include these construction impacts and is included below. An electronic copy of the revised modeling outputs in electronic format has been provided to CEC staff.

TABLE 8.1D-4R
Modeled Maximum Construction Impacts

Pollutant	Averaging Time	Maximum Construction Impacts ($\mu g/m^3$)	Background ($\mu g/m^3$)	Total Impact ($\mu g/m^3$)	State Standard ($\mu g/m^3$)	Federal Standard ($\mu g/m^3$)
NO_2[a]	1-Hour	~~254~~ **147**	181	~~435~~ **328**	470	--
	Annual	~~37.8~~ **14.7**	35.8	~~73.6~~ **50.5**	--	100
SO_2	1-Hour	~~0.6~~ **0.3**	76.0	~~76.6~~ **76.3**	650	--
	3-Hour	~~0.4~~ **0.3**	52.4	~~52.8~~ **52.7**	--	1300
	24-Hour	0.1	23.6	23.7	109	365
	Annual	~~0.03~~ **0.01**	5.2	5.2	--	80
CO	1-Hour	~~353~~ **164**	5,730	~~6,083~~ **5,894**	23,000	40,000
	8-Hour	~~153~~ **60**	4,206	~~4,359~~ **4,266**	10,000	10,000
PM_{10}	24-Hour	~~109~~ **42**	157	~~266~~ **199**	50	150
	Annual[b]	~~11.0~~ **3.6**	33	~~44~~ **37**	30	--
	Annual[c]	~~11.0~~ **3.6**	45.9	~~56.9~~ **49.5**	20[d]	50

Notes:
Values in Bold have been revised.
a. OLM_ISC used for 1-hr average impact and ARM applied for annual average, using EPA default ratio of 0.75.
b. Annual Geometric Mean.
c. Annual Arithmetic Mean.
d. New state PM_{10} standard approved but not yet effective.

WALNUT ENERGY CENTER
(02-AFC-4)
DATA RESPONSES, SET 1D

BACKGROUND

In the AFC (page 8.1-63), the Applicant states that a cumulative impacts analysis will be conducted in accordance with the protocol provided in Appendix 8.1G.

DATA REQUEST

23. Please provide a listing of cumulative projects meeting the criteria outlined in Appendix 8.1G, and provide an analysis of the cumulative air quality impacts that may result from the project and other reasonably foreseeable projects.

Response: Pursuant to our protocol in Appendix 8.1G, we have requested and received from the SJVUAPCD a listing of all new, modified, and reasonably foreseeable emission sources located within 6 miles of the WEC project site. We also asked the SJVUACPD to include only sources with net emissions increases exceeding 5 tons per year, and to list the net emission increase for each new or modified source and the exhaust stack characteristics of these sources. The documents titled "Public Info Request – ATC for the City of Turlock"(provided as Attachment AQ-23a) and "Public Info Request – Permit ATC Apps for the City of Turlock" (provided as Attachment AQ-23b) are the lists of new and modified emission sources provided by the SJVUAPCD in response to our data request. As shown on this list, the SJVUAPCD provided potential to emit (PTE) rather than net emission increases for each source, and included all sources rather than just sources with increases exceeding 5 tons per year. In addition, the District did not provide any exhaust stack characteristics.

We have reviewed these lists and omitted the following sources:

- Any emission source with a PTE less than 5 tons per year for all listed pollutants;
- Any emission source where the modification would clearly reduce emissions (such as the installation of a baghouse at a conveyor transfer point or the installation of low-NOx burners on a boiler); and
- VOC only sources (such as storage tanks).

After omitting these sources, only 7 sources remained on the list. We then requested that the SJVUAPCD provide net emissions increase data for these sources. This data was provided and is attached to this document and summarized in Table AQ-23 below.

TABLE AQ-23
Net Emission Increases for Selected Turlock Area Projects (lb/year)

Permit No.	NOx	SOx	PM10	CO	VOC
N-1222-6-0	0	0	0	0	0
N-1738-14-2	230	0	0	0	0
N-1840-12-4	0	0	0	0	0
N-1841-1-4	568	0	0	4,714	0
N-1909-8-1	0	0	0	0	0
N-3184-4-1	149	0	45	462	0
N-3184-5-1	149	0	45	462	0

The above table indicates that none of the 7 sources identified as having a potential to emit exceeding 5 tons per year of any pollutant was associated with a modification that resulted in a net emissions increase exceeding 5 tons per year of any single pollutant. Therefore, no cumulative air quality impacts analysis is required since there were no projects with significant emissions increases that have been issued permits since January 1, 1999.

ATTACHMENT AQ-2

Permit Application for Emergency Generator

March 7, 2003

sierra research

1801 J Street
Sacramento, CA 95814
(916) 444-6666
Fax: (916) 444-8373

Mr. Jim Swaney
San Joaquin Valley UAPCD
Northern Region Office
4230 Kiernan Avenue, Suite 130
Modesto, CA 95356-9322

Subject: Permit Application for IC Engine at TID's Walnut Power Plant

Dear Mr. Swaney:

Please find enclosed a permit application for an existing standby emergency generator and associated 117 Bhp Diesel-fired internal combustion engine located at an electrical switchyard adjacent to the Turlock Irrigation District's ("TID") Walnut Power Plant at 325 South Washington Road in Turlock. This engine was installed when the switchyard was built in 1976.

We believe that this standby Diesel engine was exempt from permitting when it was installed in 1976 because we have copies of the January 20, 1970, (before installation) version of the Stanislaus County rules as well as the December 20, 1983, (after installation) version of these rules and the switchyard engine would have been exempt under either version of these rules. The January 20, 1970, version of Stanislaus County APCD Rule VIII, Section C.2, exempted "internal combustion engines" from permit registration requirements. The December 20, 1983, version of Stanislaus County APCD Rule 202, Section D.3, exempted "piston type internal combustion engines with a rating of 750 brake horsepower or less" from permit requirements (see copies of both rules in Attachment 1). Therefore, since the rules in place both before and after this engine was installed exempted the engine from permit requirements, we believe that this engine was not subject to permit requirements or BACT at the time it was installed, and should now be treated as a loss of exemption source.

The standby Diesel engine currently complies with District Rule 4701, "Internal Combustion Engines," because it is used exclusively for non-utility electric power generation and is not operated more than 200 hours per year for non-emergency purposes. Actual operation has been less than 50 hours per year. Section 4.2.1 exempts standby engines from rule requirements, except for the requirement under Section 6.5 to maintain annual operating records to support the exempt status of the engine.

The Diesel engine also complies with Rule 4201, "Particulate Matter Concentration," which prohibits particulate matter emissions in excess of 0.1 grains per dry standard cubic foot of exhaust. The EPA AP-42 emission factor for Diesel-fired engines in this size range is 0.31 lb/MMBtu (see Table 3.3-1, 10/96). Using the EPA F_d factor of 9,190 dscf/MMBtu for Diesel fuel (see 40 CFR 60 Appendix A, Method 19, Table 19-1) and assuming 10% oxygen in the exhaust, the AP-42 emission factor can be converted to grains/dscf as follows:

0.31 lb/MMBtu / 9,190 dscf/MMBtu x 7000 grains/lb x (20.95-10)/20.95

= 0.1 grains/dscf

We note that the particulate emission factor listed in AP-42 and used in the analysis above is based on the use of a Diesel fuel with a sulfur content over 5 times higher than the Diesel fuel used at TID's switchyard engine. TID uses Diesel fuel with a maximum of 0.05% (wt) sulfur in all of its Diesel-fired equipment. Diesel fuel sulfur contributes to particulate emissions from Diesel combustion due to the formation of sulfates in the exhaust, and, consequently, lower fuel sulfur content will tend to result in lower particulate emissions. Therefore, we believe that the above analysis represents a conservative estimate of particulate emissions from this source.

We have included District application forms, vendor information, and a diagram of the engine location as Attachment 2 to this application. We have also included a check for $60 for the permit filing fee in accordance with District Rule 3010. Additionally, we are requesting that the District expedite processing of this application, including any necessary and reasonable overtime expenses.

Please contact me if you have any questions regarding this application.

Sincerely,

Jeffrey Adkins

Attachments

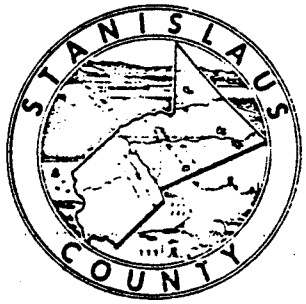
cc: Randy Baysinger, TID
Rick Myers, TID
George Davies, TID
Susan Strachan

Attachment 1

Stanislaus County APCD Rules and Regulations
January 20, 1970
December 20, 1983

STANISLAUS COUNTY

AIR POLLUTION CONTROL DISTRICT



RULES AND REGULATIONS

Adopted January 20, 1970

STANISLAUS COUNTY
AIR POLLUTION CONTROL BOARD

Robert Fahey, Supervisor	-	District 1 - Stanislaus County
Joash Paul, Supervisor	-	District 2 - Stanislaus County
John E. Thurman, Jr., Supervisor	-	District 3 - Stanislaus County
Richard Vander Wall, Supervisor	-	District 4 - Stanislaus County
James Franzen, Supervisor	-	District 5 - Stanislaus County

STANISLAUS COUNTY AIR POLLUTION HEARING BOARD

Ronald E. Bates

Robert W. Crabtree

Bruce Masterton

STANISLAUS COUNTY AIR POLLUTION OFFICER

Robert S. Westphal, M.D.

TABLE OF CONTENTS

RULES AND REGULATIONS OF THE STANISLAUS COUNTY AIR POLLUTION CONTROL DISTRICT

RULE I - Introduction:

The Air Pollution Control Board of the Stanislaus County Air Pollution Control District has promulgated these rules and regulations as necessary and proper to accomplish the purposes of Division 20, Chapter 2, of the California Health and Safety Code for the administration of the district (H & S 24260) and for the reduction of the amount of air contaminants released within the district (H & S 24262).

RULE II - Definitions:

The following words have in these rules and regulations the signification attached to them in this rule, unless otherwise apparent from the context:

a. Air Contaminant means smoke, charred paper, dust, soot, grime, carbon, noxious acids, fumes, gases, odors, or particulate matter, or any combination thereof.

b. Atmosphere means the air that envelops or surrounds the earth. Where air pollutants are emitted into a building not designed specifically as a piece of air pollution control equipment, such emission into the building shall be considered an emission into the atmosphere.

c. Combustion Contaminants means particulate matter discharged into the atmosphere from the burning of any kind of material containing carbon in a free or combined state.

d. Control Board means the Air Pollution Control Board of the Air Pollution Control District of Stanislaus County.

e. Control Officer means the Air Pollution Control Officer of the Air Pollution Control District of Stanislaus County.

f. District means the Air Pollution Control District of Stanislaus County.

g. Dust means minute, solid particles released into the air by natural forces or by mechanical processes such as crushing, grinding, milling, drilling, demolishing, shoveling, conveying, covering, bagging, sweeping, or other similar processes, or any combination thereof.

h. H & S means California Health and Safety Code, including the section numbers referenced therefrom.

i. Hearing Board means the Hearing Board of the Air Pollution Control District of Stanislaus County.

j. Incinerator means any furnace or other closed fire-chamber from which the products of combustion are directed through a flue or chimney.

k. Multiple-Chamber Incinerator means an incinerator consisting of three or more refractory lined combustion furnaces in series, physically separated by refractory walls, interconnected by gas passage ports or ducts, and employing adequate design parameters necessary for maximum combustion of the material to be burned.

l. Open Outdoor Fire means the burning or smoldering of any

combustible material of any type outdoors in the open air, either inside or outside of a fireproof container, where the products of combustion are not directed through a flue.

m. Orchard Heater means any equipment or material used, or intended to be used, for the purpose of giving protection from frost damage to agricultural crops.

n. Particulate Matter means any material, except uncombined water, which exists in a finely divided form as a liquid or solid at standard conditions.

o. Person means any person, firm, association, organization, partnership, business trust, corporation, company, contractor, supplier, installer, user or owner, or any state or local governmental agency or public district or any officer or employee thereof.

p. Residential Wastes shall mean that waste or discarded material incidental to normal residential use of the premises.

q. Standard Conditions means a gas temperature of 60 degrees Fahrenheit and a gas pressure of 14.7 pounds per square inch absolute.

r. Variance means an authorization by the hearing board to do some act contrary to the requirements of these rules and regulations.

RULE III - Violations:

Any person doing any of the acts prohibited herein, or failing to register as required herein, is guilty of a misdemeanor for each day upon which such act occurs (H & S 24253; 24281).

RULE IV - Enforcement:

These rules and regulations shall be enforced by the control officer (H & S 24224(b)). He may issue a citation, seek a misdemeanor complaint from the District Attorney or file for an injunction (H & S 24252) at his option. As an alternative to these judicial proceedings, and at his sole discretion, he may issue notices to abate or correct, require attendance at administrative hearings, or institute other administrative proceedings as provided in procedures adopted by the Control Board.

RULE V - Confidential Information:

All investigations conducted and information obtained by the control officer shall be confidential, and shall not be disclosed publicly without prior written consent of the person or persons owning or operating the property affected. Nothing contained in this rule shall limit the control officer's use of any material, investigative data, or information in any proceedings before the hearing board, the control board, or any court of competent jurisdiction.

RULE VI - Prohibitions:

A. The following acts are hereby prohibited, subject to the exceptions in Rule VII:

1. Opacity of Emissions - No person shall discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated

as No. 2 on the Ringlemann Chart, as published by the United States Bureau of Mines, or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subsection (a) of this section.

2. Quantity of Emissions - No person shall release or discharge into the atmosphere from any single source of emission whatsoever any air contaminants in excess of 0.3 grains per cubic foot of gas at standard conditions.

3. Open Fires - No person shall set or maintain any open outdoor fire.

4. Incinerator Burning - No person shall operate any incinerator other than multiple-chamber incinerators or other incinerators previously certified by the control officer to be as effective as a multiple-chamber incinerator for the purposes of air pollution control.

B. The following acts are hereby prohibited without exception:

1. The operation of open burning refuse disposal sites.

2. The burning of tires, rubber products, car bodies or parts, and demolition material.

3. The discharge from any single source of emission of sulphur compounds calculated as sulphur dioxide (SO_2)

exceeding in concentration at the point of discharge 0.2 per cent by volume.

4. The discharge from any single source of combustion contaminants in excess of 0.3 grains per cubic foot of gas calculated to 12 per cent of carbon dioxide (CO_2) at standard conditions, except during the time necessary to bring the combustion process up to operating level after the operation is started or after a new energy source is provided. In measuring the combustion contaminants, the carbon dioxide (CO_2) produced by combustion of any liquid or gaseous fuels shall be excluded from the calculation to 12 per cent of carbon dioxide (CO_2).

RULE VII - Exceptions to Prohibitions:

The prohibitions of Rule VI, Section A, do not apply to:

A. Fires set or authorized by any peace officer, fireman, or control officer, if such fire is set or authorized in the performance of the official duty of such person, and such fire is in his opinion necessary for:

1. The prevention of a fire or health hazard which cannot be abated by other means, or
2. The instruction of public or industrial employees in the methods of fighting fires.

B. Agricultural operations in the production and harvesting of crops, or raising of fowls or animals, including the use of agricultural equipment other than orchard heaters.

C. The use or operation of orchard heaters of all types until June 1, 1971. After that date, the prohibitions of Rule VI, Section A, do not apply to the use of an orchard heater which does not produce unconsumed carbonaceous matter at a rate in excess of one (1) gram per minute.

D. Emission which results from the breakdown of equipment which is required to be registered under the provisions of Rule VIII of these regulations. The person responsible for such emission shall, with all practicable speed, initiate and complete appropriate action to correct the cause of such emission. He shall report each breakdown to the control officer within 24 hours of its occurrence. Failure to so report shall constitute prima facie evidence that the excess emission was not due to an equipment breakdown.

E. Fires used only for cooking of food for human beings, residential heating or recreational purposes.

F. Backfires or other fire control measures used for the purpose of controlling an existing wildfire.

G. Fires for the burning of residential waste which originates on and is being burned on premises in an area which has not been declared by ordinance adopted by the Board of Supervisors of Stanislaus County after public hearing, to be an Urban Control Area and in which waste disposal service is mandatory.

RULE VIII - Registration:

A. Except as provided in Section C of this rule, every person who operates, possesses, or controls any machinery, equipment or other article of any sort which emits or may emit air contaminants, shall register all such articles with the control officer within 90 days after the adoption of these rules and regulations, or within 30 days after initiating the operation of such equipment, whichever is later.

Persons registering articles as required herein, and their successors in interest, shall immediately notify the control officer in writing of any significant change in any item of information furnished in connection with the registration.

B. A person registering as required herein shall furnish the following information:

1. The individual and business name of the person.
2. The location of his operation.
3. The name and address of the responsible managing officer.
4. A general description of the product and operation.
5. Quantity and description of contaminant being emitted.
6. Any other pertinent information required by the control officer relating to the emission of air pollutants.

C. Exemptions from Registration - The registration requirements herein are not applicable to:

1. Vehicles as defined by the Vehicle Code of the State of California and aircraft.
2. Internal combustion engines.
3. Equipment used exclusively for air conditioning or space heating, other than boilers.
4. Equipment used to prepare food which is intended for human consumption within 24 hours.
5. All agricultural equipment.
6. Self-propelled construction equipment, other than pavement burners, used in grading, leveling, paving, or other similar operations.

RULE IX - Permits (H & S 24263):

(This rule reserved for future development and use.)

RULE X - Appeals:

A. The control board shall appoint a hearing board in accordance with the provisions of H & S 24225.

B. Any person seeking a variance (H & S 24291 through 24302) or any person requesting a public hearing as to whether or not a permit was properly suspended (H & S 24271), or any person desiring to appeal any non-judicial enforcement action taken by the control officer, may petition the hearing board for a public hearing.

C. The procedures for all such petitions and hearings shall be those set forth in H & S 24310 through 24323, and such additional procedures as are adopted from time to time by resolution of the control board upon

the recommendation of the control officer.

RULE XI - Fees:

The control board may from time to time by resolution adopt a schedule of fees for the services provided herein, each fee to yield a sum not exceeding the cost of administration of the particular service provided (H & S 24267; 24293).

RULE XII - Severability Clause:

If any provision of these rules and regulations is for any reason held to be invalid or unconstitutional, such invalidity or unconstitutionality shall not affect the validity or constitutionality of the remaining portions of these rules and regulations, it being hereby expressly declared that these rules and regulations and each provision thereof would have been adopted irrespective of the fact that any one or more other pvosisions be declared invalid or unconstitutional.

ADDENDUM

EXCERPTS FROM CALIFORNIA HEALTH AND SAFETY CODE

Section 24246: "Authority of control officer to enter premises and to stop and detain vehicles; interference with officer; misdemeanor. The air pollution control officer, during reasonable hours, for the purpose of enforcing or administering this chapter, or any provisions of the Vehicle Code relating to the emission or control of air contaminants, or of any order, regulation or rule prescribed pursuant thereto, may enter every building, premises, or other place, except a building designed for and used exclusively as a private residence and may stop, detain, and inspect any vehicle, designed for and used on a public highway but which does not run on rails. Every person is guilty of a misdemeanor who in any way denies, obstructs, or hampers such entrance, or such stopping, detaining, or inspection of such vehicle, or who refuses to stop such a vehicle upon the lawful order of the air pollution control officer."

Section 24281: "Violation of order, rule, or regulation; misdemeanor; separate offense for each day. Every person violating any order, rule, or regulation of an air pollution control district is guilty of a misdemeanor. Every day during any portion of which such a violation occurs is a separate offense."

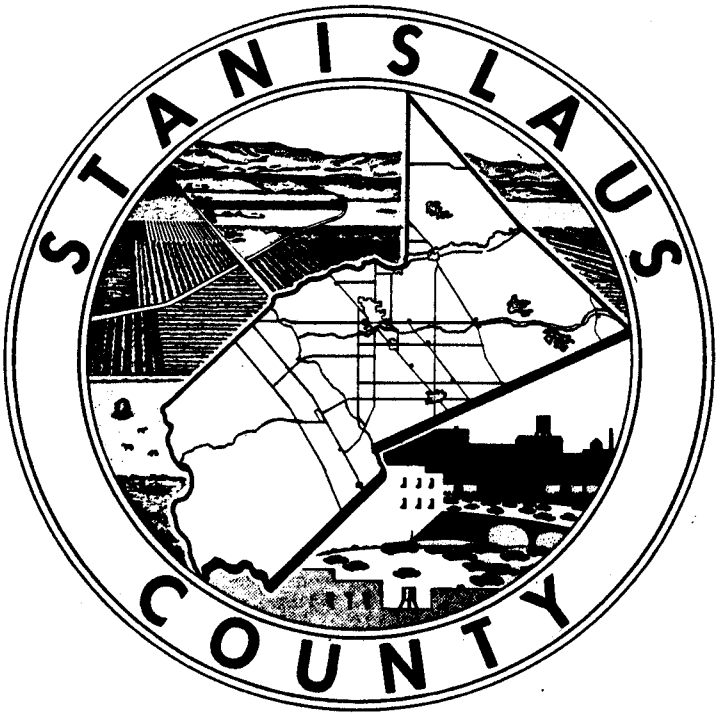
Section 24291: "Variances permitted. The provisions of this chapter do not prohibit the discharge of air contaminants to a greater extent or for a longer time, or both, than permitted by Article 3 of this chapter or by rules, regulations, or orders of the air pollution control board, if not of a greater extent or longer time than the hearing board or a court after a hearing before the hearing board finds necessary pursuant to the provisions of this article."

Section 24292: "Hearing on variances. The hearing board on its own motion or at the request of any person may hold a hearing to determine under what conditions and to what extent a variance from the requirements established by Article 3 of this chapter or by rules, regulations, or orders of the air pollution control board is necessary and will be permitted."

Section 24296: "Grounds for permitting variance. If the hearing board finds that because of conditions beyond control compliance with Article 3 of this chapter or with any rule, regulation, or order of the air pollution control board will result in an arbitrary and unreasonable taking of property or in the practical closing and elimination of any lawful business, occupation or activity, in either case without a sufficient corresponding benefit or advantage to the people in the reduction of air contamination, it shall prescribe other and different requirements not more onerous applicable to plants and equipment operated either by named classes of industries or persons, or to the operation of separate persons; provided, however, that no variance may permit or authorize the maintenance of a nuisance."

Section 24297: "Factors considered by hearing board. In determining under what conditions and to what extent a variance from said requirements is necessary and will be permitted, the hearing board shall exercise a wide discretion in weighing the equities involved and the advantages and disadvantages to the residents of the district and to any lawful business, occupation or activity involved, resulting from requiring compliance with said requirements or resulting from granting a variance."

Rules and Regulations



Air Pollution Control District

STANISLAUS COUNTY AIR POLLUTION CONTROL BOARD

Nick W. Blom	District 3
Rolland Starn	District 2
Dan Terry	District 1
Raymond Simon	District 4
Sal Cannella	District 5

ADMINISTRATIVE OFFICER
Gardner Hutchins

AIR POLLUTION HEARING BOARD

Mark Kanai, Attorney
Dr. Warren McKibben, Physician
Alan Christie, Engineer
William Wilson, Public Member
Catherine Haile, Public Member
Esther Benjamin, Clerk of Board

AIR POLLUTION CONTROL OFFICER
Gordon M. Dewers

DEPUTY AIR POLLUTION CONTROL OFFICER
Wayne Morgan

STATEMENT OF PRINCIPLES

The Stanislaus County Air Pollution Control District will be guided by the following principles, with the understanding that regulations will continually be developed to reduce every air contaminant to the lowest level attainable.

1. The public has individual rights to quality of living, as expressed by the absence of pollution.
2. The responsibility of each polluter for all forms of damage caused by his pollution is recognized. There is no "right" to pollute.
3. The quality of human life, and the presence and growth of other living things, are the major values currently damaged by pollution.
4. Therefore, exception to the regulations are subject to cancellation whenever methods have been developed to remove the need for them. All individuals, industries and organizations operating under variance or exception have an obligation to work in the direction of eliminating the emission of air contaminants.

RULES ADOPTED: JANUARY 20, 1970

RULES REVISED:

SEPT. 15, 1970
APRIL 9, 1974
JULY 19, 1977
JUNE 17, 1980
AUG. 31, 1982

APRIL 25, 1972
MARCH 25, 1975
MARCH 20, 1979
JAN. 27, 1981
SEPT. 7, 1982

DEC. 19, 1972
MAY 4, 1976
JUNE 19, 1979
JAN. 12, 1982
JULY 12, 1983
DEC. 20, 1983

REGULATION II - PERMITS

RULE 201 PERMITS REQUIRED

A) Authority to Construct Any person building, altering or replacing any equipment, the use of which may cause the issuance of air contaminants or the use of which may eliminate or reduce or control the issuance of air contaminants, shall first obtain authorization for such construction from the Air Pollution Control Officer. An authority to construct shall remain in effect until the permit to operate the equipment for which the application was filed is granted or denied, or the application is cancelled.

B) Permit to Operate Before any new equipment described in Rule 201 A) or any existing equipment so described may be operated, a written permit shall be obtained from the Air Pollution Control Officer. No permit to operate shall be granted either by the Air Pollution Control Officer or the Hearing Board for any equipment described in Rule 201, A), constructed or installed without authorization as required by Rule 201, A), until the information required is presented to the Air Pollution Control Officer and such equipment is altered, if necessary, and made to conform to the standards set forth in Rule 207, (Standards for granting application) and elsewhere in these rules and regulations

C) Posting of Permit to Operate A person who has been granted under Rule 201, B), a permit to operate any equipment described in Rule 201, B), shall firmly affix such permit to operate, an approved facsimile, or other approved identification bearing the permit number upon the article, machine, equipment, or other contrivance in such a manner as to be clearly visible and accessible. In the event that the equipment is so constructed or operated that the permit to operate cannot be so placed, the permit to operate shall be mounted so as to be clearly visible in an accessible place within 25 feet of the equipment or maintained readily available at all times on the operating premises.

D) Altering of Permit A person shall not willfully deface, alter, forge, counterfeit or falsify a permit to operate any equipment.

RULE 202 EXEMPTIONS Any authority to construct or a permit to operate shall not be required for:

A) Vehicles as defined by the Vehicle Code of the State of Calif. but not including any article, machine, equipment, or other contrivance mounted on such vehicle that would otherwise require a permit under the provisions of these rules and regulations.

B) Vehicles used to transport passengers or freight.

C) Equipment utilized exclusively in connection with any structure, which structure is designed for and used exclusively as a dwelling for not more than four families.

D) The following equipment:

1) Comfort air conditioning or comfort ventilating systems, which are not designed to remove air contaminants generated by or released from specific units or equipment.

2) Refrigeration units except those used as or in conjunction with air pollution control equipment.

3) Piston type internal combustion engines with a rating of 750 brake horsepower or less.

4) Water cooling towers used for evaporative cooling which have a recycle rate of less than 75,000 gallons/minute, or water cooling towers and water cooling ponds not used for evaporative cooling of water from barometric jets or from barometric condensors.

5) Equipment with a rating of 25,000,000 Btu/hr or less used exclusively for steam cleaning.

6) Presses used exclusively for extruding metals, minerals or wood, (plastic omitted).

7) Equipment used exclusively for space heating, other than boilers.

8) Equipment used for hydraulic or hydrostatic testing.

9) Equipment used in eating establishments for the purpose of preparing food for human consumption.

10) Equipment used exclusively to compress or hold dry natural gas.

11) Crucible type or pot type furnaces with a brimful capacity of less than 450 cubic inches of any molten metal.

12) Batch mixers of five cubic feet rated working capacity or less.

13) Smokehouses in which the maximum horizontal inside cross sectional area does not exceed 20 square feet.

14) Air Resources Board approved orchard heaters.

E) The following equipment or any exhaust system or collector serving exclusively such equipment:

1) Laboratory equipment used exclusively for chemical or physical analysis and bench scale laboratory equipment.

2) Gas fired ovens with a heat input rating of less than 25,000,000 Btu/hr, mixer of less than 5 ft^3 capacity and blenders of less than 5 ft^3 capacity used in bakeries where the products are edible and intended for human consumption.

3) Equipment used exclusively for forging, pressing, rolling or drawing of metals or for heating metals immediately prior to forging, pressing, rolling or drawing.

4) Equipment using aqueous solutions for surface preparation, cleaning, stripping, etching (does not include chemical milling), or the electrolytic plating with electrolytic polishing, or the electrolytic stripping of bronze, brass, cadmium, copper, iron, lead, nickel, tin, zinc, precious metals.

5) Equipment used for washing or drying products fabricated from metal, cloth, fabric, or glass, provided that no organic materials are used in the process and that no oil or solid fuel is burned.

6) Equipment used for compression molding and injection molding of plastics.

7) Vacuum producing devices used in laboratory operations or in connection with other equipment which is exempt by Rule 202.

8) Equipment used for noncommercial buffing (except automatic or semi-automatic tire buffers) or polishing, carving, cutting, drilling, machining, routing, sanding, sawing, surface grinding or turning of ceramic artwork, ceramic precision parts, leather, metals, plastics, rubber, fiberboard, masonry, asbestos, carbon or graphite.

9) Equipment used for noncommercial carving, cutting, drilling, surface grinding, planing, routing, sanding, sawing, shredding or turning of wood, or the pressing or storing of sawdust, wood chips or wood shavings.

10) Laundry driers, extractors, or tumblers used for fabrics cleaned only with water solutions of bleach or detergents.

F) Steam generators, steam superheaters, water boilers, water heaters, and closed heat transfer systems that have a maximum heat input rate of less than 25,000,000 Btu/hr (gross) and are fired exclusively with natural gas or liquified petroleum gas or any combination thereof.

G) Natural draft hoods, natural draft stacks, or natural draft ventilators where no organic solvents, diluents or thinners are used.

H) Containers, reservoirs, or tanks used exclusively for:

1) Dipping operations conducted at less than 250°F for coating objects with oils, waxes, or greases where no organic solvents, dilutents, or thinners are used.

2) Dipping operations conducted at less than 250°F for applying coatings of natural or synthetic resins which contain no organic solvents.

3) Storage of liquified gases in unvented pressure vessels.

4) Unheated storage of organic materials with an initial boiling point of 300°F or greater.

5) The unheated storage of fuel oils and lubricating oils.

6) Unheated solvent dispensing containers of 100 gallon capacity or less.

7) Transporting materials on streets or highways.

8) Storage of gasoline in tanks having a capacity of 2,000 gallons or less which were installed before July 1, 1975.

9) Storage of gasoline in tanks having a capacity of 250 gallons or less.

I) Self-propelled mobile construction equipment other than pavement burners.

J) Mobile agricultural implements used in agricultural operations.

K) Vacuum cleaning systems used exclusively for industrial, commercial or residential housekeeping purposes.

L) Repairs or maintenance not involving structural changes to any equipment for which a permit has been granted.

M) Identical replacements in whole or in part of any equipment where a permit to operate has previously been granted for such equipment.

N) Other sources of minor significances which may be specified by the Air Pollution Control Officer. (Amended 6-17-80)

RULE 203 TRANSFER A permit shall not be transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, unless a new application is filed with and approved by the Air Pollution Control Officer. (Amended January 12, 1982).

RULE 204 APPLICATIONS Every application for a permit required under Rule 201 shall be filed in the manner and form prescribed by the Air Pollution Control Officer, and shall give all the information necessary to enable the Air Pollution Control Officer to make the determination required by Rule 207 hereof.

RULE 205 CANCELLATION OF APPLICATION

A) An authority to construct shall expire and the application shall be cancelled two years from the date of issuance of the authority to construct.

B) An application for a permit to operate shall be cancelled two years from the date of filing of the application.

RULE 206 ACTION ON APPLICATIONS The Air Pollution Control Officer shall act, within a reasonable time, on a permit application and shall notify the applicant in writing of his approval, conditional approval or denial.

RULE 207 STANDARDS FOR GRANTING APPLICATIONS

A) The Air Pollution Control Officer shall deny a permit except as provided in Rule 208, if the applicant does not show that the use of any equipment, which may cause the issuance of air contaminants, or the use of which may eliminate or reduce or control the issuance of air contaminants, is so designed, controlled or equipped with such air pollution control equipment, that it may be expected to operate without emitting or without causing to be emitted air contaminants in violations of Section 41701, 41700, of the Health and Safety Code, or of these rules and regulations.

B) In acting upon a permit to operate, if the Air Pollution Control Officer finds that the equipment has been constructed not in accordance with the authority to construct, he shall deny the permit to operate. The Air Pollution Control Officer shall not accept any further application for permit to operate the equipment, so constructed until he finds that the equipment has been constructed in accordance with the authority to construct.

RULE 208 CONDITIONAL APPROVAL The Air Pollution Control Officer may issue an authority to construct or a permit to operate, subject to conditions to insure the compliance of the operation of any article, machine, equipment or other contrivance with the standards of Rule 207, in which case the conditions shall be specified in writing. Commencing work under such authority to construct or operation under such permit to operate shall be deemed acceptance of all the conditions so specified. The Air Pollution Control Officer shall issue an authority to construct or permit to operate with revised conditions upon receipt of a new application, if the applicant demonstrates that the article, machine, equipment or other contrivance can be operated within the standards of Rule 207, under the revised conditions.

RULE 209 DENIAL OF APPLICATIONS In the event of denial of a permit, the Air Pollution Control Officer shall notify the applicant in writing of the reasons therefore. Service of this notification may be made in person or by mail, and such service may be proved by the written acknowledgement of the persons served or affidavit of the person making the service. The Air Pollution Control Officer shall not accept a further application unless the applicant has complied with objections specified by the Air Pollution Control Officer as his reasons for denial of the permit.

Attachment 2

Application Forms, Vendor Data, Location Diagram

San Joaquin Valley Air Pollution Control District

www.valleyair.org

Permit Application For:

[ ] AUTHORITY TO CONSTRUCT (ATC) - New Emission Unit.
[ ] AUTHORITY TO CONSTRUCT (ATC) - Modification Of Emission Unit With Valid PTO/Valid ATC.
[ ] AUTHORITY TO CONSTRUCT (ATC) - Renewal of Valid Authority to Construct.
[✔] PERMIT TO OPERATE (PTO) - Existing Emission Unit Now Requiring a Permit to Operate.

1. PERMIT TO BE ISSUED TO: **Turlock Irrigation District**

2. MAILING ADDRESS:
STREET/P.O. BOX: **P.O. Box 949**
CITY: **Turlock** STATE: **CA** 9-DIGIT ZIP CODE: **95381-0949**

3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED:
STREET: **325 South Washington Road** CITY: **Turlock**
_____/4 SECTION _____ TOWNSHIP _____ RANGE _____

WITHIN 1,000 FT OF A SCHOOL? [ ] YES [✔] NO

S.I.C. CODE(S) OF FACILITY (If known):

4. GENERAL NATURE OF BUSINESS: **Power Production and Water Supply**

INSTALL DATE: **1976**

5. TITLE V PERMIT HOLDERS ONLY: Do you request a COC (EPA Review) prior to receiving your ATC? [ ] YES [✔] NO

6. DESCRIPTION OF EQUIPMENT OR MODIFICATION FOR WHICH APPLICATION IS MADE (include Permit #'s if known, and use additional sheets if necessary):

Emergency Standby Internal Combustion Engine, John Deere Model 6404D, 117 Bhp Max Rated, Diesel Fuel, with Kohler Model 125R081 125 kW generator

7. HAVE YOU EVER APPLIED FOR AN ATC OR PTO IN THE PAST? [✔] YES [ ] NO
If yes, ATC/PTO #: **N-2246**

8. IS THIS PROPERTY ZONED PROPERLY FOR THE PROPOSED USE? [✔] YES [ ] NO

9. IS THIS APPLICATION SUBMITTED AS THE RESULT OF EITHER A NOTICE OF VIOLATION OR A NOTICE TO COMPLY? [ ] YES [✔] NO
If yes, NOV/NTC #: _____

Optional Section

10 CHECK WHETHER YOU ARE A PARTICIPANT IN EITHER OF THESE VOLUNTARY PROGRAMS:

"SPARE THE AIR"
[ ]Yes [ ]No [ ]Send info

"INSPECT"
[ ]Yes [ ]No [ ]Send info

11. TYPE OR PRINT NAME OF APPLICANT: **Rick Myers**

TITLE OF APPLICANT: **Division Manager**

12. SIGNATURE OF APPLICANT: Rick Myers DATE: 2-14-03

PHONE #: **(209) 883-8332**
FAX #: **(209) 656-2146**
E-MAIL: **rlmyers@tid.org**

FOR APCD USE ONLY:

DATE STAMP	FILING FEE RECEIVED: $ _____ CHECK #: _____ DATE PAID: _____ PROJECT #: _____ FACILITY ID: _____

San Joaquin Valley Unified Air Pollution Control District
Supplemental Application Form

LIQUID FUELED
INTERNAL COMBUSTION ENGINES

This form must be accompanied by a completed Application for Authority to Construct and Permit to Operate form.

PERMIT TO BE ISSUED TO: TURLOCK IRRIGATION DISTRICT
LOCATION WHERE THE EQUIPMENT WILL BE OPERATED: 325 SOUTH WASHINGTON ROAD, TURLOCK, CA

PROCESS DESCRIPTION

Type of Use	[ ] Full Time (not limited to any operating schedule) [ ] Low Use (limited to <1000 hrs/yr for all operation, including maintenance and testing) [✔] Standby Emergency (limited to non-utility electric power generation or other emergency use as approved by the APCO, except for up to 200 hrs/yr for maintenance and testing) Will this equipment be used in an electric utility rate reduction program? [ ] YES [✔] NO	
Process Data	Process the Engine Serves: Switch yard emergency power	
	Electrical Power	Generator Make and Model: Kohler 125R081
	Generation Only	Power Output: 125 kW

EQUIPMENT DESCRIPTION

Engine Data	Manufacturer: JOHN DEERE		Number of Cylinders: 6
	Model Number: 6404D		Serial Number: 6531AF-00
	Maximum Rated Power Output 117 BHP		
Fuel Data	Type: [✔] Diesel [ ] Gasoline [ ] Other (please specify):		
	Higher Heating Value: 137,000 BTU/gal		Sulfur Content: 0.05 % by Weight
	Fuel Consumption at Rated Output: 6.0 gals/hr		Fuel Flow Meter? [ ]YES [✔]NO

Engine Design and Emission Control Equipment ***(Check all applicable boxes)***

- [ ] Turbocharger
- [ ] Intercooler/Aftercooler
- [ ] Positive Crankcase Ventilation System
- [ ] Exhaust Particulate Control Device: Specify what type _____
- [ ] Oxidation Catalyst (VOC & CO Reduction) _____ % VOC control _____ % CO control
- [ ] Reduction Catalyst (NOx Reduction) _____ % NOx control
- [ ] Other (please specify): _____

Please Continue on Reverse Side

Exhaust Emission Data (at maximum rated power output) *(If corrected to other than 15% O_2, dry basis, indicate at right)*			O_2, dry:	10 %
Nitrogen Oxides (as NO_2)	2,200	ppmvd	14.1	g/BHP-hr
Carbon Monoxide	780	ppmvd	3.0	g/BHP-hr
Volatile Organic Compounds (as CH_4)	500	ppmvd	1.1	g/BHP-hr
Particulate Matter Emissions	0.1	gr/dscf	1.0	g/BHP-hr
Sulfur Oxides (as SO_2)	20	ppmvd	0.17	g/BHP-hr
Source of Emission Factor	[ ] Emission Tests [ ] Manufacturer's Guarantee [ ] EPA Certified [✓] Other: AP-42			

ADDITIONAL INFORMATION

1. Normal Operating Schedule: (for emergency equipment, identify normal testing and maintenance schedule)

   0.5 Hours per day 1 Days per week 50 Weeks per year.

2. Nearest Receptor:

   Distance to nearest Residence[1] 600 feet
   Distance to nearest Business[2] 600 feet
   Distance to nearest property line[3] 32 feet

   [1] Examples of Residences includes apartments, houses, dormitories, K-12 school, etc.
   [2] Examples of Businesses includes office buidlings, guard posts, factories, etc.
   [3] Distance from the exhaust stack to the property line

3. Stack Parameters:
   Height above grade: 8.5 feet
   Inside diameter: 5 inches
   Exhaust temperature: 950 °F
   Stack gas flow rate: 228 ascfm/dscfm (circle one)
   Is a rain cap (other than a flapper) present on exhaust stack? [✓] Yes [ ] No
   Exhaust direction: [✓] Vertical [ ] Horizontal

4. Facility Location: [ ] Urban (area of dense population) [✓] Rural (area of sparse population)

5. If available, include the manufacturer's specifications and/or documented exhaust emissions data for the proposed engine.

DISTRICT USE ONLY

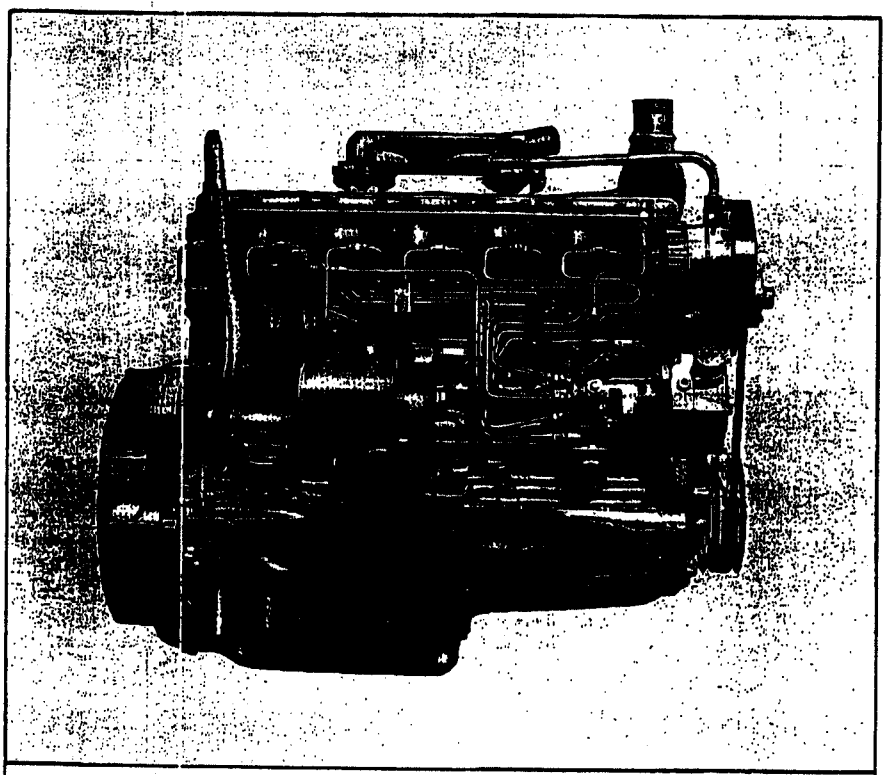
Date: _____ Facility ID #: _____

Engineer Name: _____ Project #: _____

Public Notice: [ ] Yes [ ] No
Comments:
_____
_____
_____

Series 400:

6404D DIESEL ENGINE



ENGINE DESCRIPTION:

Type: 6-cylinder valve-in-head
Bore / stroke: 4.25 in. (108 mm) x 4.75 in. (121 mm)
Displacement: 404 cu. in. (6,62 liters)
Basic weight (approx.) 1,550 lb. (703 kg)
Horsepower (@ 2,200 rpm), intermittent: 117

FEATURES:

Heavy-duty, one-piece, gray-iron cylinder block with deep, thick-ribbed skirts.
Heat-treated, forged-steel crankshaft, statically and dynamically balanced.
Forged-steel connecting rods with precision-machined square-tongue-and-grooves.
Centrifugally cast cylinder liners, wet-sleeve flanged design, individually replaceable.
Camshaft-driven, positive gear-type lubricating pump.
Small-diameter nozzles with an exclusive edge-filter design.
Compact distributor-type injection pump contains fule filter, built-in transfer pump, variable pressure-adjusting and temperature-compensating system, speed advance, and an electric shut-off.
Oil spray piston cooling.

STANDARD EQUIPMENT:

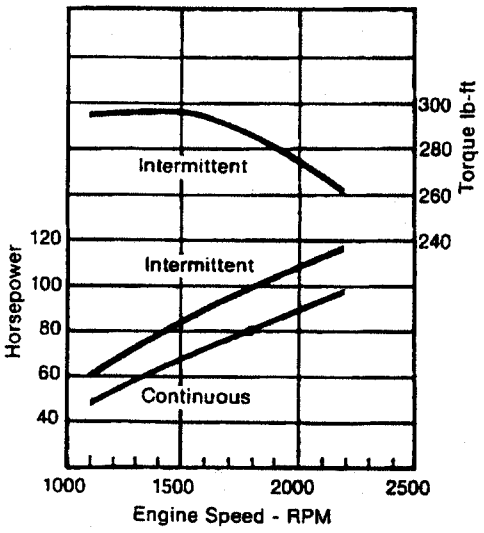
Water and oil pumps
Oil and fuel filters
Oil pan
Fuel-injection system complete (includes governor)
Intake and exhaust manifolds
Starter: 12 volt (no battery and cables)
Fuel-transfer pump
Flywheel: For 10-in. (254 mm) over-center clutch
Oil cooler
Lift eyes
Flywheel housing: SAE No. 3
Alternator: 12-volt, 55 amp. w/regulator
Torsional damper

OPTIONAL EQUIPMENT:

Alternators: 35 and 72 amp.
Compressor for air conditioning
Flywheels
Intake and exhaust manifolds
Oil pans
Air cleaners
Injection pumps
Mufflers
Engine mounts and skids
Fans: Blower and suction
Cold-weather starting aids
Radiators
Auxiliary drive pulleys
Generator set governing approx. 3-5 percent
PTO clutch: 10-in. (254 mm) over-center clutch for side-load or in-line-load operation

PERFORMANCE:

Performance Curves are for operation without fan and muffler but with all other power-consuming accessories and at atmospheric conditions of 29.38 in. (746 mm) Hg, 500 ft. (152 m) altitude, and 85° F. (29.4° C). Horsepower and torque should be derated 3 percent per 1,000 ft. (305 m) altitude increase and 1 percent per 10° F. (5.6° C) air intake temperature above 85° F. (29.4° C).
Intermittent Horsepower is the power available for varying load and/or speed operations.
Continuous Horsepower is the power available for continuous-duty condition within a specified speed range.



SPECIFICATIONS:

(Specifications and design subject to change without notice.)

Engine:
Bore/stroke ..... 4.25 in. (108 mm) x 4.75 in. (121 mm)
Number of cylinders 6
Piston displacement ..... 404 cu. in. (6,62 liters)
Cycle 4
Rotation, facing flywheel end ..... Counterclockwise
Compression ratio ..... 16.3 to 1
Firing order 1-5-3-6-2-4

Crankshaft:
Material ..... Forged steel; heat-treated, induction-hardened bearing surface
Type ..... Counterbalanced

Main bearings:
Number 7
Size ..... 3.37 in. (85,59 mm) x 1.38 in. (35,05 mm)
Material ..... Aluminum, high-strength-steel backed

Connecting rods:
Material ..... I-section, forged steel
Length ..... 8.75 in. (222,25 mm)

Cylinder liners:
Material ..... Centrifugally-cast alloy iron
Type ..... Wet liner

Cylinder head:
Material ..... Cast iron

Piston pin:
Size ..... 1.50 in. (38,10 mm)
Type ..... Full floating

Pistons:
Material ..... Aluminum alloy w/top ring insert
Number of rings 3
Compression ... 2 (keystone top ring, rectangular second ring)
Oil 1

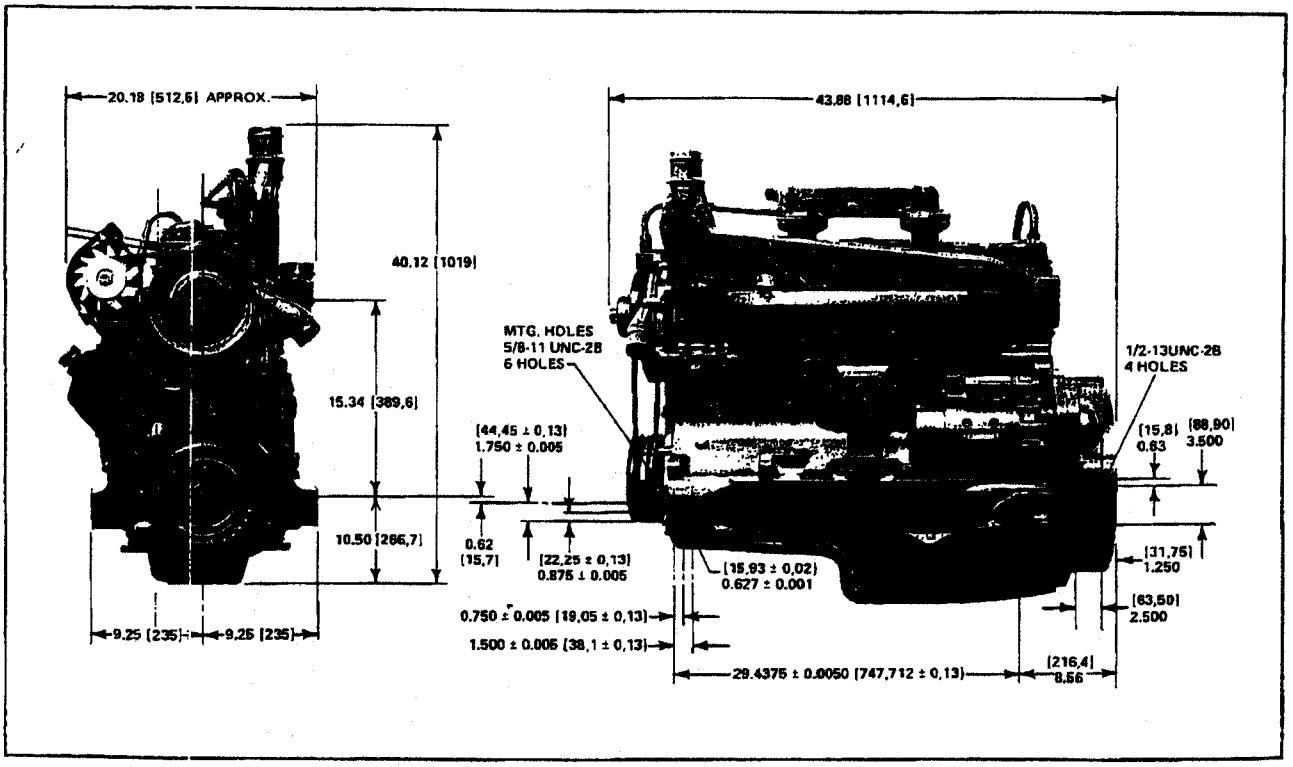
Valves:
Intake valve ..... Alloy steel
Exhaust valve ..... Alloy steel
Valve seats ..... Integral with head
Valve rotation ..... Rotators on exhaust only

Camshaft:
Pump type ..... Cast Proferal iron

Oiling system:
Pump type ..... Gear
Pump capacity ..... 28 gpm (105,989 liters/min.)
Filters ..... Full-flow, w/bypass, replaceable paper element
Crankcase-oil cooler ..... Yes
Crankcase capacity ..... 17 qt. (16,1 liters)

Fuel system:
Injection pump ..... Distributor type
Nozzles ..... 9,5 mm w/built-in filter
Fuel-transfer pump ..... Diaphragm-type
Fuel filters ..... Replaceable, paper element

Cooling system:
Pump type ..... Centrifugal w/V-belt drive
Pump capacity ..... 55 gpm (208 liters/min.)
Temperature control ..... Dual thermostats



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WEST MAIN ROAD

WASHINGTON ROAD

WALNUT PEAKING POWER PLANT

DIESEL GEN.

N. 2001129.8156
E. 6444198.9564
TOP STACK EL. 116.26'

N. 2001068.5565
E. 6444198.5483
STACK DIM 12.0833FT. SQ X 31.1767FT HIGH

UNION PACIFIC R.R.

N. 2000596.6398
E. 6446465.7359

N. 2000596.6398
E. 6447204.7379

PROPERTY LINE

PLANT ACCESS ROAD

CONSTRUCTION PARKING AREA (430' x 375')

CONSTRUCTION OFFICE AREA

N. 2000312.1374
E. 6446924.7379
STACK 1

N. 2000280.1374
E. 6446924.7379
STACK 2

W.E.C. POWER PLANT

CONSTRUCTION LAY DOWN AREA (12.526 ACRES)

N. 1999681.1397
E. 6446465.7359

PROJECTED CORNER FROM 2 FENCE LINES

N. 1999681.1378
E. 6447204.7309

TEMPORARY FENCING FOR LAYDOWN AREA

EMERGENCY PLANT ACCESS ROAD FROM RUBLE ROAD

N

W E

S

LOCATION

LOCATION MAP
NOT-TO-SCALE

PLOTTED:

W.R.R.A. - CIVIL ENGINEERING

WALNUT PEAKING P.P.

PLOT PLAN
WEST TURLOCK AREA
STANISLAUS COUNTY

DWG #2107

FIGURE AQ-4R

ATTACHMENT AQ-17

Analysis of Emissions During Commissioning of WEC Project

Attachment AQ-17 - Analysis of Emissions During Commissioning of WEC Project

Gas Turbine/HRSG Commissioning Profile

Operating Mode	Maximum Hours of Operation(1)	Fuel Use MMBtu/hr (HHV)(2)	Emission Factors (lbs/MMBtu)					Hourly Emissions (lbs/hr)					Total Emissions (lbs)				
			NOx(3)	CO(4)	VOC(5)	PM10(6)	SOx(7)	NOx	CO	VOC	PM10	SOx	NOx	CO	VOC	PM10	SOx
CTG/HRSG 1 - No Load	72	300	0.3627	0.6000	0.0567	0.0233	0.0010	108.82	180.00	17.00	7.00	0.30	7,835	12,960	1,224	504	22
CTG/HRSG 2 - No Load	72	300	0.3627	0.6000	0.0567	0.0233	0.0010	108.82	180.00	17.00	7.00	0.30	7,835	12,960	1,224	504	22
CTG/HRSG 1 - 50% Load	144	620	0.0907	0.3387	0.0258	0.0113	0.0010	56.23	210.00	16.00	7.00	0.62	8,097	30,240	2,304	1,008	89
CTG/HRSG 2 - 50% Load	144	620	0.0907	0.3387	0.0258	0.0113	0.0010	56.23	210.00	16.00	7.00	0.62	8,097	30,240	2,304	1,008	89
CTG/HRSG 1 - Full Load - No SCR	48	944.7	0.0544	0.0221	0.0018	0.0074	0.0010	51.40	20.87	1.67	7.00	0.94	2,467	1,002	80	336	45
CTG/HRSG 2 - Full Load - No SCR	48	944.7	0.0544	0.0221	0.0018	0.0074	0.0010	51.40	20.87	1.67	7.00	0.94	2,467	1,002	80	336	45
CTG/HRSG 1 - Full Load - Partial SCR	24	944.7	0.0308	0.0088	0.0018	0.0074	0.0010	29.13	8.34	1.67	7.00	0.94	699	200	40	168	23
CTG/HRSG 2 - Full Load - Partial SCR	24	944.7	0.0308	0.0088	0.0018	0.0074	0.0010	29.13	8.34	1.67	7.00	0.94	699	200	40	168	23
CTG/HRSG 1 - Full Load - Full SCR	288	944.7	0.0073	0.0088	0.0018	0.0074	0.0010	6.85	8.34	1.67	7.00	0.94	1,973	2,402	482	2,016	272
CTG/HRSG 2 - Full Load - Full SCR	288	944.7	0.0073	0.0088	0.0018	0.0074	0.0010	6.85	8.34	1.67	7.00	0.94	1,973	2,402	482	2,016	272
CTG/HRSG 1 - Hot Starts	6							83.00	113.00	16.00	7.00	1.05	498	678	96	42	6
CTG/HRSG 2 - Hot Starts	6							83.00	113.00	16.00	7.00	1.05	498	678	96	42	6
Total =	1164												43,138	94,965	8,452	8,148	915

Notes:
(1) Maximum operating hours assume turbines operate 24 hours per day during all commissioning days.
(2) Fuel Use
- No Load test: Based on estimated 20% load operation
- 50% Load test: Based on 50% load fuel use for a 7EA machine during a 32 deg. F day.
- Full Load tests: Based on baseload fuel use for a 7EA machine during a 32 deg. F day.

(3) NOx Emission Factors
- No Load test: Based on uncontrolled turbine emitting 100 ppmc NOx
- 50% Load test: Based on a 7EA machine with a NOx emission level of 25 ppm @ 15% O2.
- Full Load No SCR test: Based on NOx levels of 15 ppm @ 15% O2 for 7EA machine.
- Full Load Partial SCR test: Based on NOx emission levels at 8.5 ppmc, the midway point between 15 ppm and 2.0 ppmc.
- Full Load Full SCR test: Based on unit meeting the project design NOx emission level of 2.0 ppm @ 15% O2.
- Hot Startups: Based on maximum NOx emission level expected during hot startups.

(4) CO Emission Factors
- No Load test: Based on information for a GE 7FA machine with CO emissions of 180 lbs/hr.
- 50% Load test: Based on the maximum expected commissioning CO emission rate of 210 lb/hr from peak startup emissions data for 7EA turbine.
- Full Load No SCR test: Based on estimated CO levels of 10 ppmvd @ 15% O2.
- Full Load Partial SCR test: Based on unit meeting the project design level of 4 ppm @ 15% O2 with oxidation catalyst installed and operating.
- Full Load Full SCR test: Based on unit meeting the project design level of 4 ppm @ 15% O2 with oxidation catalyst installed and operating.
- Hot Startups: Based on maximum CO emission level expected during hot startups.

(5) VOC Emission Factors
- No Load test: Based on information for a GE 7FA machine with VOC emissions of 17 lbs/hr.
- 50% Load test: Based on the expected startup VOC emission level of 16 lbs/hr.
- Full Load No SCR test: Based on 7EA machine with VOC levels of 1.4 ppmvw @ actual % O2.
- Full Load Partial SCR test: Based on a 7EA machine with VOC levels of 1.4 ppmvw @ actual % O2.
- Full Load Full SCR test: Based on a 7EA machine with VOC levels of 1.4 ppmvw @ actual % O2.
- Hot Startups: Based on maximum VOC emission level of 16 lbs/hr expected during hot startups.

(6) PM10 Emission Factors
- For all tests, based on project design PM10 level of 7 lbs/hr.

(7) SOx Emission Factors
- For all test except hot startups, based on project design maximum natural gas sulfur content of 0.36 gr/100 scf.
- For hot startups, based on maximum expected SOx emission level during full load operation (i.e., 1.05 lbs/hr).

ATTACHMENT AQ-23a

Public Information Request – ATC for the City of Turlock

Public Info Request - ATC for the city of Turlock

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1222-1-1	CORTEZ GROWERS ASSOCIATION		0	0	4088	0
EQUIPMENT	1021334	ALMOND RECEIVING PIT SERVED BY A REES BLOW PIPE MANUFACTURING COMPANY BAGHOUSE, ALMOND PRE-CLEANING OPERATION SERVED BY ONE COMPARTMENT OF A THREE-COMPARTMENT ICA MODEL 3-2400 AE BAGHOUSE. (THE ICA BAGHOUSE ALSO SERVES THE ALMOND HULLING/SHELLING OPERATION COVERED BY PERMIT N-1222). MODIFICATION TO INCLUDE EXISTING BAGHOUSE SERVING THE ALMOND RECEIVING PIT IN THE EQUIPMENT DESCRIPTION.					
ADDRESS	12714 CORTEZ AVENUE						
	TURLOCK	CA					

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1222-6-0	CORTEZ GROWERS ASSOCIATION		0	0	11315	0
EQUIPMENT	1021334	ALMOND MEAT CLEANING SYSTEM CONSISTING OF A GRAVITY SEPARATOR, SHEAR ROLL & ELEVATOR ALL SERVED BY A MID-STATE MANUFACTURING 2D-2D CYCLONE.					
ADDRESS	12714 CORTEZ AVENUE						
	TURLOCK	CA					

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1391-2-1	SWANSON HULLING					
EQUIPMENT	980260	MODIFICATION OF THE ALMOND HULLING AND SHELLING OPERATION TO REPLACE THE EXISTING TWO (2) CYCLONES WITH ONE (1) BAIMBRIDGE SHEET METAL MODEL 312-LP-15 BAGHOUSE (RENEWED ONE TIME - 09/03/02, KC)					
ADDRESS	19835 FOWLER AVE.						
	TURLOCK	CA					

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1643-9-0	SPYCHER BROTHERS		0	0	0	0
EQUIPMENT	1011361	PROPYLENE OXIDE FUMIGATION OPERATION WITH A 4,600 CUBIC FOOT VACUUM CHAMBER SERVED BY AN INDUSTRIAL DESIGN (OR EQUIVALENT) WET SCRUBBER AND A POST FUMIGATION OFF GASSING AREA					
ADDRESS	14827 W HARDING ROAD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1674-1-2	HATCH MILLING COMPANY		0	0	1168	0
EQUIPMENT	1021012	GRAIN UNLOADING AND STORAGE OPERATION WITH OLD RAIL RECEIVING PIT, TRUCK RECEIVING PIT, AND ASSOCIATED AUGERS AND ELEVATORS ALL SERVED BY A WILKEY SHEET METAL MODEL #144T12 BAGHOUSE #2 (BAGHOUSE IS SHARED WITH PERMIT N-1674-2). MODIFICATION TO REMOVE REFERENCE TO PERMIT UNIT N-1674-11.					
ADDRESS	9400 WEST MAIN AVE						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1674-2-4	HATCH MILLING COMPANY		0	0	5037	0
EQUIPMENT	1000297	MODIFICATION OF GRAIN CLEANING AND ROLLING OPERATION WITH TWO (2) ROTEX CLEANERS SERVED BY A WILKEY SHEET METAL MODEL 144T12 BAGHOUSE AND FOUR (4) GRAIN ROLLERS AND ONE (1) COOLER SERVED BY A MAC MODEL 3HE33 MULTICLONE: REPLACE THE EXISTING COOLER AND MULTICLONE WITH A CALIFORNIA PELLET MILL MODEL CC2438 COOLER SERVED BY A WILKEY MODEL HE36 MULTICLONE (THE EXISTING COOLER SERVED BY A MAC MODEL 3HE33 MULTICLONE WILL BE RETAINED AS A STAND-BY SYSTEM FOR USE ONLY DURING EQUIPMENT BREAKDOWNS OR ROUTINE MAINTENANCE)					
ADDRESS	9400 WEST MAIN AVE						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1674-8-1	HATCH MILLING COMPANY					
EQUIPMENT	980594	ONE (1) 300 HP CLEAVER BROOKS BOILER, MODEL #CB700-300, SERVED BY A 12.56 MMBTU/HR CLEAVER BROOKS BURNER, MODEL #CB700-300: MODIFICATION TO ADD ALTERNATIVE EMISSIONS MONITORING FOR RULE 4305 COMPLIANCE					
ADDRESS	9400 WEST MAIN AVE						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1674-8-2	HATCH MILLING COMPANY					
EQUIPMENT	990507	MODIFY ONE 12.56 MMBTU/HR CLEAVER BROOKS BOILER, MODEL #CB700-300, WITH A LOW-NOX BURNER WITH FLUE GAS RECIRCULATION FGR): ADD PROVISIONS FOR ALTERNATE EMISSIONS MONITORING USING A PORTABLE ANALYZER (METHOD A) FOR RULE 4305 COMPLIANCE.					
ADDRESS	9400 WEST MAIN AVE						
	TURLOCK	CA	95380				

			Emission are in	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1674-8-3	HATCH MILLING COMPANY	LB/Yr	4709	73	1606	8139
EQUIPMENT	1010182	MODIFICATION OF 12.56 MMBTU/HR NATURAL GAS FIRED CLEAVER BROOKS MODEL CB 700-300 BOILER WITH LOW-NOX BURNER AND FGR: ADD YELLOW GREASE AS A PRIMARY FUEL					
ADDRESS	9400 WEST MAIN AVE						
	TURLOCK	CA	95380				

			Emission are in	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1674-9-1	HATCH MILLING COMPANY	LB/Yr	0	0	329	0
EQUIPMENT	1000727	MODIFICATION OF: N-1674-9 TO ADD A PRE-CLEANING SHAKER SERVED BY A BAGHOUSE. FORAGE PLANT SEED RECEIVING, STORAGE AND SIZING OPERATION CONSISTING OF FOUR (4) - 24 TON (1600 CUBIC FEET) AND ONE (1) - 32 TON (2563 CUBIC FEET) SEED STORAGE TANKS, CONVEYING EQUIPMENT, AND ONE (1) KAMPER SEED SHAKER/SIZER. THE FIVE (5) STORAGE SILOS AND THE SHAKER/SIZER ARE SERVED BY A WILKEY SHEET METAL MODEL 144T12 BAGHOUSE. (THIS BAGHOUSE IS SHARED WITH PERMITS N-1674-1, N-1674-2 & N-1674-11.)					
ADDRESS	9400 WEST MAIN AVE						
	TURLOCK	CA	95380				

			Emission are in	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1674-9-2	HATCH MILLING COMPANY	LB/Yr	0	0	584	0
EQUIPMENT	1001083	MODIFICATION OF: N-1674-9 TO ADD TWO (2) PRE-CLEANING SEED SHAKER/SIZERS SERVED BY AN EXISTING BAGHOUSE. FORAGE PLANT SEED STORAGE AND SIZING OPERATION CONSISTING OF FOUR (4) - 24 TON (1600 CUBIC FEET) AND ONE (1) - 32 TON (2563 CUBIC FEET) SEED STORAGE TANKS, CONVEYING EQUIPMENT, AND TWO (2) KAMPER SEED SHAKER/SIZERS. THE FIVE (5) STORAGE SILOS AND THE TWO (2) SEED SHAKER/SIZERS ARE SERVED BY A WILKEY SHEET METAL MODEL 144T12 BAGHOUSE. (THIS BAGHOUSE IS SHARED WITH PERMITS N-1674-1, N-1674-2 AND N-1674-11)					
ADDRESS	9400 WEST MAIN AVE						
	TURLOCK	CA	95380				

			Emission are in	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1714-1-1	AMERICAN TRANSIT MIX	LB/Yr	0	0	6278	0
EQUIPMENT	1011658	MODIFICATION OF ROSS MODEL 35-4 CONCRETE BATCH PLANT: REPLACE WATER SPRINKLER CONTROL SYSTEM AT THE LOADOUT WITH C&W MANUFACTURING DUST COLLECTOR.					
ADDRESS	1307 LINWOOD						
	TURLOCK	CA	95350				

			Emission are in	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1714-3-1	AMERICAN TRANSIT MIX	LB/Yr	0	0	99	0

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1714-3-1	AMERICAN TRANSIT MIX		0	0	99	0
EQUIPMENT	1011658	ONE (1) 2000 CUBIC FOOT FLY ASH STORAGE SILO SERVED BY A COLUMBUS BIN VENT, MODEL DCS-250: INSTALL A 3 INCH DIAMETER RETURN LINE FROM THE NEW C & W BAGHOUSE.					
ADDRESS	1307 LINWOOD						
	TURLOCK	CA	95350				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1724-1-1	ARCO #05489-BP WEST COAST PRODUC		0	0	0	0
EQUIPMENT	1020797	MODIFICATION OF: GDF WITH THREE (3) 12,000 GALLON UNDERGROUND STORAGE TANKS TO REPLACE ALL OTHER EQUIPMENT WITH: TANKS SERVED BY PHIL-TITE PHASE I VAPOR RECOVERY SYSTEM (VR-101-B) AND 8 FUELING POINTS WITH 8 GASOLINE DISPENSING NOZZLES SERVED BY A BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-52-AM).					
ADDRESS	2015 W MAIN ST						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1735-1-1	ARCO #05465 - TEHAL S DOSANJH		0	0	0	0
EQUIPMENT	1010765	MODIFY GDF: THREE 12,000 GALLON UNDERGROUND STORAGE TANKS SERVED BY A PHIL-TITE PHASE I ENHANCED VAPOR RECOVERY SYSTEM (VR-101-A) WITH EIGHT (8) FUELING POINTS AND EIGHT (8) GASOLINE DISPENSING NOZZLES SERVED BY A BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-52-AM).					
ADDRESS	4700 N GOLDEN STATE BLVD.						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1738-14-1	ASSOCIATED FEED & SUPPLY		10220	182	3942	41500
EQUIPMENT	1001072	MODIFICATION OF 32.0 MMBTU/HR CLEAVER BROOKS MODEL D52 BOILER WITH A CLEAVER BROOKS MODEL WT200X-BR3 LOW-NOX BURNER AND FLUE GAS RECIRCULATION SYSTEM: CHANGE FROM MONITORING SCHEME E TO MONITORING SCHEME A.					
ADDRESS	5213 WEST MAIN ST						
	TURLOCK	CA	95381				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1738-14-2	ASSOCIATED FEED & SUPPLY		11818	584	3942	41355

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1738-14-2	ASSOCIATED FEED & SUPPLY		11818	584	3942	41355
EQUIPMENT	1010864	MODIFICATION OF THE 32 MMBTU/HR CLEAVER-BROOKS MODEL D52 BOILER WITH A CLEAVER BROOKS MODEL WT200X-BR3 LOW NOX BURNER AND FLUE GAS RECIRCULATION SYSTEM TO INSTALL AN OIL GUN AND INCLUDE THE USE OF YELLOW GREASE AS A PRIMARY FUEL.					
ADDRESS	5213 WEST MAIN ST						
	TURLOCK	CA	95381				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1738-15-0	ASSOCIATED FEED & SUPPLY					
EQUIPMENT	980758	GRAIN ROLLING OPERATION #3 CONSISTING OF A GRAIN SCALPER, GRAIN COOKER, GRAIN ROLLER, GRAIN COOLER SERVED BY TWO (2) AIRCON CORP. MAC 2HE-43 CYCLONES, AND ASSOCIATED AUGERS AND ELEVATORS.					
ADDRESS	5213 WEST MAIN ST						
	TURLOCK	CA	95381				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1745-1-3	BARREL INN LIQUORS					
EQUIPMENT	1020625	MODIFY GDF: ONE 10,000 GAL. (WEST) & ONE 14,000 GAL. (EAST) UNDERGROUND STORAGE TANKS SERVED BY A TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-97-A) AND ONE 6,000 GAL. UNDERGROUND STORAGE TANK (CENTER) SERVED BY A PHIL-TITE PHASE I VAPOR RECOVERY SYSTEM (VR-101-B) WITH 8 FUELING POINTS AND 8 GASOLINE DISPENSING NOZZLES SERVED BY A FRANKLIN ELECTRIC INTELLIVAC PHASE II VAPOR RECOVERY SYSTEM (G-70-169-AA). MODIFICATION TO REPLACE THE PHASE I VAPOR RECOVERY SYSTEM ONLY ON THE 6,000 GALLON UNDERGROUND STORAGE TANK (CENTER).					
ADDRESS	2219 LANDER AVE						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1774-2-0	BRIGHT CLEANERS		0	0	0	0
EQUIPMENT	1001318	COLUMBIA, MODEL IDR 1831, 35 LB CAPACITY CLOSED-LOOP, DRY-TO-DRY, PERCHLOROETHYLENE DRY CLEANING MACHINE WITH A REFRIGERATED VAPOR CONDENSER AND CARBON ADSORBER.					
ADDRESS	2470 GEER RD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1774-2-1	BRIGHT CLEANERS		0	0	0	0

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1774-2-1	BRIGHT CLEANERS		0	0	0	0
EQUIPMENT	1011001	TRANSFER OF LOCATION OF COLUMBIA, MODEL IDR 1831, 35 LB CAPACITY CLOSED-LOOP DRY-TO-DRY PERCHLOROETHYLENE DRY CLEANING MACHINE WITH A REFRIGERATED VAPOR CONDENSER AND A CARBON ADSORBER: TO 2470 GEER RD, TURLOCK, CA					
ADDRESS	2470 GEER RD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1788-13-0	CALIFORNIA STATE UNIVERSITY					
EQUIPMENT	990476	ONE 1,000 GAL. CONVAULT, INC. ABOVEGROUND STORAGE TANK SERVED BY A TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-116-F) AND ONE FUELING POINT WITH ONE GASOLINE DISENSING NOZZLE SERVED BY A BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-116-F)					
ADDRESS	801 W. MONTE VISTA AVE						
	TURLOCK	CA	95382				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1788-14-0	CALIFORNIA STATE UNIVERSITY		0	0	0	0
EQUIPMENT	1000042	ONE 1,000 GALLON ABOVE GROUND STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-116-F) AND ONE FUELING POINT WITH ONE GASOLINE DISPENSING NOZZLE SERVED BY BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-116-F).					
ADDRESS	801 W. MONTE VISTA AVE						
	TURLOCK	CA	95382				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1788-18-0	CALIFORNIA STATE UNIVERSITY		802	25	7	43
EQUIPMENT	1020262	325 HP PERKINS MODEL 1306E87IA DIESEL-FIRED EMERGENCY IC ENGINE POWERING A 200 KW ELECTRICAL GENERATOR					
ADDRESS	801 W. MONTE VISTA AVE						
	TURLOCK	CA	95382				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1840-12-1	DEL MESA FARMS TURLOCK FEEDMIL					

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1840-12-1	DEL MESA FARMS TURLOCK FEEDMIL					
EQUIPMENT	980677	MODIFICATION TO 24.4 MMBTU/HR JOHNSTON BOILER, MODEL NO. PFTA 600-4G-150S WITH LOW NOX BURNER & INDUCED FLUE GAS RECIRCULATION TO ADD ALTERNATE EMISSION MONITORING PLAN REQUIREMENTS TO COMPLY WITH RULE 4305 & TO DISCONTINUE THE USE OF LPG/PROPANE.					
ADDRESS	3600 W MAIN ST						
	TURLOCK	CA 95380					

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1840-12-2	DEL MESA FARMS TURLOCK FEEDMIL		7600	0	3000	14200
EQUIPMENT	991082	24.4 MMBTU/HR JOHNSTON BOILER, MODEL PFTA 600-4G-150S, WITH JOHNSTON MODEL 509 LOW NOX BURNER AND FLUE GAS RECIRCULATION SYSTEM. MODIFY BOILER TO CHANGE PRE-APPROVED ALTERNATE EMISSION MONITORING PLAN TO COMPLY WITH RULE 4305.					
ADDRESS	3600 W MAIN ST						
	TURLOCK	CA 95380					

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1840-12-4	DEL MESA FARMS TURLOCK FEEDMIL		7775	475	1606	14199
EQUIPMENT	1010999	24.4 MMBTU/HR JOHNSTON BOILER, MODEL PFTA 600-4G-150S, WITH A LOW NOX BURNER AND A FLUE GAS RECIRCULATION SYSTEM. MODIFICATION TO REPLACE THE BURNER WITH A POWERFLAME LNIV 252-GO2S OR ANOTHER APCO APPROVED EQUIVALENT LOW NOX BURNER AND TO ADD YELLOW GREASE AND POULTRY FAT AS ADDITIONAL PRIMARY FUELS.					
ADDRESS	3600 W MAIN ST						
	TURLOCK	CA 95380					

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1840-15-0	DEL MESA FARMS TURLOCK FEEDMIL					
EQUIPMENT	980541	TEMPORARY REPLACEMENT EMISSIONS UNIT (TREU) FOR N-1840-8-2 : ONE (1) 300 HP CHAMPION HAMMER MILL SERVED BY A MAC FILTER BAGHOUSE (MODEL # 96 AVS 64).					
ADDRESS	3600 W MAIN ST						
	TURLOCK	CA 95380					

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1841-1-3	FOSTER TURKEY PRODUCTS		3979	343	1497	8286

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1841-1-3	FOSTER TURKEY PRODUCTS		3979	343	1497	8286
EQUIPMENT	1010289	ONE 12.6 MMBTU/HR CLEAVER BROOKS MODEL CB 760-300 BOILER SERVED BY A LOW NOX BURNER AND AN INDUCED FLUE GAS RECIRCULATION SYSTEM (SERIAL NUMBER L37300). MODIFICATION TO ADD #2 FUEL OIL AS AN ADDITIONAL PRIMARY FUEL.					
ADDRESS	500 F ST						
	TURLOCK	CA	95381				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1841-1-4	FOSTER TURKEY PRODUCTS		5249	343	1497	13000
EQUIPMENT	1010486	ONE 12.6 MMBTU/HR CLEAVER BROOKS MODEL CB 760-300 BOILER SERVED BY A LOW NOX BURNER AND AN INDUCED FLUE GAS RECIRCULATION SYSTEM (SERIAL NUMBER L37300). MODIFICATION TO ADD YELLOW GREASE AND POULTRY FAT AS ADDITIONAL PRIMARY FUELS.					
ADDRESS	500 F ST						
	TURLOCK	CA	95381				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1841-2-3	FOSTER TURKEY PRODUCTS		2665	316	1022	5512
EQUIPMENT	1010289	ONE 8.4 MMBTU/HR CLEAVER BROOKS MODEL 248X-200 BOILER (BOILER #2) SERVED BY A LOW NOX BURNER AND AN INDUCED FLUE GAS RECIRCULATION SYSTEM. MODIFICATION TO ADD #2 FUEL OIL AS AN ADDITIONAL PRIMARY FUEL.					
ADDRESS	500 F ST						
	TURLOCK	CA	95381				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1841-2-4	FOSTER TURKEY PRODUCTS		3641	316	1022	9564
EQUIPMENT	1010486	ONE 8.4 MMBTU/HR CLEAVER BROOKS MODEL 248X-200 BOILER (BOILER #2) SERVED BY A LOW NOX BURNER AND AN INDUCED FLUE GAS RECIRCULATION SYSTEM. MODIFICATION TO ADD YELLOW GREASE AND POULTRY FAT AS ADDITIONAL PRIMARY FUELS.					
ADDRESS	500 F ST						
	TURLOCK	CA	95381				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1851-1-1	CURTESY OIL CO					

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1851-1-1	CURTESY OIL CO					
EQUIPMENT	980688	MODIFY GDF: THREE (3) 10,000 GALLON UNDERGROUND STORAGE TANKS SERVED BY A TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-97A), AND 4 FUELING POINTS WITH 4 GASOLINE DISPENSING NOZZLES SERVED BY A BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-52-AM).					
ADDRESS	511 LANDER AVE						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1873-1-1	DICKEY PETROLEUM					
EQUIPMENT	990165	ONE (1) 10,000 GALLON UNDERGROUND BULK GASOLINE STORAGE TANK SERVING THE CARDLOCK GASOLINE DISPENSING SYSTEM (N-1873-5) AND THE BOTTOM LOADING RACK (N-1873-6): MODIFICATION TO LINE TANK					
ADDRESS	1001 S BERKELEY AVE						
	TURLOCK	CA					

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1873-2-1	DICKEY PETROLEUM					
EQUIPMENT	990165	ONE (1) 10,000 GALLON UNDERGROUND BULK GASOLINE STORAGE TANK SERVING THE CARDLOCK GASOLINE DISPENSING SYSTEM (N-1873-5) AND THE BOTTOM LOADING RACK (N-1873-6): MODIFICATION TO LINE TANK					
ADDRESS	1001 S BERKELEY AVE						
	TURLOCK	CA					

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1873-3-1	DICKEY PETROLEUM					
EQUIPMENT	990165	ONE (1) 12,000 GALLON UNDERGROUND BULK GASOLINE STORAGE TANK SERVING THE CARDLOCK GASOLINE DISPENSING SYSTEM (N-1873-5) AND THE BOTTOM LOADING RACK (N-1873-6): MODIFICATION TO LINE TANK					
ADDRESS	1001 S BERKELEY AVE						
	TURLOCK	CA					

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1873-4-1	DICKEY PETROLEUM					

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1873-4-1	DICKEY PETROLEUM					
EQUIPMENT	990165	ONE (1) 12,000 GALLON UNDERGROUND BULK GASOLINE STORAGE TANK SERVING THE CARDLOCK GASOLINE DISPENSING SYSTEM (N-1873-5) AND THE BOTTOM LOADING RACK (N-1873-6): MODIFICATION TO LINE TANK					
ADDRESS	1001 S BERKELEY AVE						
	TURLOCK	CA					

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1873-5-1	DICKEY PETROLEUM					
EQUIPMENT	990165	CARDLOCK GASOLINE DISP. SYS. SERVED BY FOUR STORAGE TANKS(N-1873-1, N-1873-2, N-1873-3 & N-1873-4) SERVED BY PHASE I VRS(G-70-124L) & TWO FUELING POINTS WITH TWO DISPENSING NOZZLES SERVED BY BALANCE PHASE II VRS(G-70-52-AM):MODIFICATION TO LINE TANKS					
ADDRESS	1001 S BERKELEY AVE						
	TURLOCK	CA					

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1873-6-1	DICKEY PETROLEUM					
EQUIPMENT	990165	ONE (1) GASOLINE & SWITCH BOTTOM LOADING RACK WITH PHASE I VRS (G-70-124L) SERVED BY FOUR (4) STORAGE TANKS (N-1873-1, N-1873-2, N-1873-3 & N-1873-4): MODIFICATION TO LINE STORAGE TANKS					
ADDRESS	1001 S BERKELEY AVE						
	TURLOCK	CA					

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1909-10-0	FOSTER FARMS				7045	
EQUIPMENT	1000317	FEED MANUFACTURING SYSTEM #1 CONSISTING OF ONE SCREENER, THREE STORAGE SILOS EACH SERVED BY A P&F METALS BIN VENT FILTER, TWO STEAM CONDITIONERS, TWO FLAKING MILLS, TWO COUNTER FLOW COOLERS SERVED BY TWO AIRCON MODEL 1HE52 HIGH EFFICIENCY CYCLONES, AND ASSOCIATED ENCLOSED CONVEYING EQUIPMENT.					
ADDRESS	4002 WEST MAIN						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1909-11-0	FOSTER FARMS				7045	

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1909-11-0	FOSTER FARMS				7045	
EQUIPMENT	1000317	FEED MANUFACTURING SYSTEM #2 CONSISTING OF ONE SCREENER, THREE STORAGE SILOS EACH SERVED BY A P&F METALS BIN VENT FILTER, TWO STEAM CONDITIONERS, TWO FLAKING MILLS, TWO COUNTER FLOW COOLERS SERVED BY TWO AIRCON MODEL 1HE52 HIGH EFFICIENCY CYCLONES, AND ASSOCIATED ENCLOSED CONVEYING EQUIPMENT.					
ADDRESS	4002 WEST MAIN						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1909-12-0	FOSTER FARMS				0	
EQUIPMENT	1000459	FINISHED PRODUCT TRUCK LOADOUT OPERATION CONSISTING OF SIX 6,500 CU.FT. STORAGE BINS EACH SERVED BY A P&F METALS BIN VENT FILTER, ONE FAT APPLICATOR, TWO ENCLOSED CONVEYORS, AND ENCLOSED LOADOUT BUILDING SERVED BY A P&F METALS JHT 12-72-1382 BAGHOUSE.					
ADDRESS	4002 WEST MAIN						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1909-3-1	FOSTER FARMS		0	0	1832	0
EQUIPMENT	1011407	RAILCAR RECEIVING AND STORAGE OPERATION CONSISTING OF: A RECEIVING PIT AND AN ENCLOSED CONVEYOR SERVED BY A P & F METALS BAGHOUSE MODEL JT-10-64-1024, ONE 6,500 TON STORAGE SILO (#3) SERVED BY A MAC BAGHOUSE MODEL 96 MWP-68-68, AND FOUR 3,500 TON STORAGE SILOS (#4, #5, #6, AND #7) SERVED BY A MAC BAGHOUSE MODEL 96 MWP-160-120					
ADDRESS	4002 WEST MAIN						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1909-4-0	FOSTER FARMS					
EQUIPMENT	990177	TRUCK LOADOUT OPERATION #1 SERVED BY A MAC MODEL # 96 MWP 212-212 BAGHOUSE. THIS TRUCK LOADOUT OPERATION IS SERVED BY A 6,500 TON STORAGE SILO (SILO # 3). SILO #3 IS SERVED BY A MAC MODEL # 96 MWP 68-68 BAGHOUSE.					
ADDRESS	4002 WEST MAIN						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1909-5-0	FOSTER FARMS					

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1909-5-0	FOSTER FARMS					
EQUIPMENT	990177	TRUCK LOADOUT OPERATION #2 SERVED BY A MAC (MODEL # 120 MWP 252-252) BAGHOUSE. THIS TRUCK LOADOUT OPERATION IS SERVED BY TWO 800 TON EACH STORAGE SILOS (SILO #1 & SILO #2). SILO #1 AND SILO #2 ARE SERVED BY THE ABOVE MENTIONED MAC BAGHOUSE.					
ADDRESS	4002 WEST MAIN						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1909-7-0	FOSTER FARMS					
EQUIPMENT	990177	FEED MANUFACTURING SYSTEM #2 CONSISTING OF ONE SHARED 3,500 TON STORAGE SILO, TWO 50 TON STORAGE BINS, ONE SCREENER, TWO STEAM CONDITIONERS, TWO FLAKING MILLS, TWO GRAIN COOLERS SERVED BY TWO LMC WEST 1D3D5 CYCLONES & ENCLOSED CONVEYING EQUIPMENT.					
ADDRESS	4002 WEST MAIN						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1909-8-0	FOSTER FARMS					
EQUIPMENT	990177	ONE (1) 500 HP CLAYTON INDUSTRIES STEAM GENERATOR (MODEL # SEG504LNB) SERVED BY A 20.412 MMBTU/HR NATURAL GAS FIRED CLAYTON INDUSTRIES MODEL UH-29771 LOW-NOX BURNER.					
ADDRESS	4002 WEST MAIN						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1909-8-1	FOSTER FARMS		4291	383	1359	13053
EQUIPMENT	1011891	MODIFICATION OF 500 HP CLAYTON INDUSTRIES STEAM GENERATOR MODEL # SEG504LNB SERVED BY A 20.412 MMBTU/HR NATURAL GAS FIRED CLAYTON INDUSTRIES MODEL UH-29771 LOW-NOX BURNER: INCREASE THE NOX EMISSION LIMIT FROM 15 PPMV @ 3% O2 TO 20 PPMV @ 3% O2					
ADDRESS	4002 WEST MAIN						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1926-1-4	DAIRY FARMERS OF AMERICA		5366	0	1132	22046

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1926-1-4	DAIRY FARMERS OF AMERICA		5366	0	1132	22046
EQUIPMENT	1000513	MODIFICATION OF 17.0 MMBTU/HR CLEAVER-BROOKS BOILER, MODEL NO. CB-400-500 WITH CLEAVER-BROOKS, MODEL CB-400-500, LOW NOX BURNER AND FLUE GAS RECIRCULATION SYSTEM TO CHANGE THE ALTERNATIVE EMISSION MONITORING PLAN TO THE USE OF A PORTABLE ANALYZER.					
ADDRESS	600 TRADE WAY						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-1980-9-0	INTERNATIONAL PAPER COMPANY					
EQUIPMENT	980515	CARTON MANUFACTURING LINE SERVED BY AN 8-COLOR BHS MODEL F-IT-800 FLEXOGRAPHIC PRINTING PRESS WITH AN ADHESIVE APPLICATION STATION AND A DIE CUTTER. THE OPERATION INCLUDES A PERMIT EXEMPT 0.33 MMBTU/HR NATURAL GAS FUELED DIRECT FIRED FLAME TREATER AND A PERMIT EXEMPT 1.52 MMBTU/HR NATURAL GAS FUELED INDIRECT FIRED HEATER. (RENEWED ONE TIME - 11/27/02, BC)					
ADDRESS	1500 WEST MAIN						
	TURLOCK	CA	95381				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-2113-9-3	PURINA MILLS, INC.		4641	265	228	2520
EQUIPMENT	1010502	MODIFICATION OF: ONE (1) IRON FIREMAN MODEL #302A-H-250 BOILER WITH A 9.8 MMBTU/HR IRON FIREMAN MODEL #AG-6-8.8 BURNER TO INCLUDE PROPANE AS AN ALTERNATE PRIMARY FUEL					
ADDRESS	1125 PAULSON RD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-2115-1-1	QUIK STOP #79					
EQUIPMENT	980521	MODIFICATION TO REPLACE ALL EXISTING EQUIP: TWO (2) 12,000 GALLON UNDERGROUND STORAGE TANKS SERVED BY TWO-POINT PHASE I VRS (G-70-97-A), AND FOUR (4) FUELING POINTS WITH FOUR (4) GASOLINE DISPENSING NOZZLES SERVED BY BALANCE PHASE II VRS (G-70-52-AM)					
ADDRESS	1260 GEER RD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-2121-1-1	QUIK STOP MARKET #155					

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-2121-1-1	QUIK STOP MARKET #155					
EQUIPMENT	990544	MODIFY GDF: TWO 10,000 & ONE 8,000 GAL. UNDERGROUND STORAGE TANKS SERVED BY A TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-97-A) AND 4 FUELING POINTS WITH 4 GASOLINE DISPENSING NOZZLES WITH A BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-52-AM)					
ADDRESS	2406 MONTE VISTA AVE						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-2121-1-2	QUIK STOP MARKET #155					
EQUIPMENT	1000147	MODIFY GDF: TWO 10,000 GAL. & ONE 8,000 GAL. UNDERGROUND STORAGE TANKS SERVED BY A TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-97-A) AND 8 FUELING POINTS WITH 8 GASOLINE DISPENSING NOZZLES SERVED BY A BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-52-AM)					
ADDRESS	2406 MONTE VISTA AVE						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-2149-3-3	CALIFORNIA DAIRIES, INC.					
EQUIPMENT	990827	ONE (1) 60.7 MMBTU/HR NEBRASKA BOILER (NORTH BOILER) (MODEL # NS-C-61-ECON) WITH A CSI (MODEL # DAF) LOW NOX BURNER & INDUCED FGR SYSTEM. MODIFICATION TO ADD FGR BLOWERS, REMOVE THE EXISTING O2 MONITOR & ADD AN APPROVED ALTERNATIVE MONITORING SCHEME.					
ADDRESS	475 S TEGNER ROAD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-2149-4-3	CALIFORNIA DAIRIES, INC.					
EQUIPMENT	990827	ONE (1) 60.7 MMBTU/HR NEBRASKA BOILER (SOUTH BOILER) (MODEL # NS-C-61-ECON) WITH A CSI (MODEL # DAF) LOW NOX BURNER & INDUCED FGR SYSTEM. MODIFICATION TO ADD FGR BLOWERS, REMOVE THE EXISTING O2 MONITOR & ADD AN APPROVED ALTERNATIVE MONITORING SCHEME.					
ADDRESS	475 S TEGNER ROAD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-2255-7-2	SENSIENT DEHYDRATED FLAVORS COM		0	0	1497	0

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-2255-7-2	SENSIENT DEHYDRATED FLAVORS COM		0	0	1497	0
EQUIPMENT	1020336	MODIFICATION OF: VEGETABLE REPACKAGING LINE SERVED BY A MAC EQUIPMENT (MODEL # 85AVSF-03-004) BAGHOUSE. MODIFICATION TO INCREASE PROCESS THROUGHPUT FROM 165 TONS/DAY TO 275 TONS/DAY					
ADDRESS	151 SOUTH WALNUT ROAD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-2274-6-0	VARCO PRUDEN BUILDINGS, INC.					
EQUIPMENT	980143	METAL CUTTING OPERATION #1 CONSISTING OF ONE (1) MG INDUSTRIES TITAN 6/4 MODEL PLASMA SHEET CUTTER SERVED BY A DOWNDRAFT VACUUM TABLE WITH A TORIT MODEL SDF-6 DUST COLLECTOR					
ADDRESS	530 S. TEGNER ROAD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-2274-6-1	VARCO PRUDEN BUILDINGS, INC.					
EQUIPMENT	990518	METAL CUTTING OPERATION #1 CONSISTING OF ONE (1) MG INDUSTRIES TITAN 6/4 MODEL PLASMA SHEET CUTTER SERVED BY A DOWNDRAFT VACUUM TABLE WITH A TORIT MODEL DFT 3-6 BAGHOUSE. MODIFICATION TO REPLACE THE EXISTING TORIT SDF-6 DUST COLLECTOR.					
ADDRESS	530 S. TEGNER ROAD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-2274-6-4	VARCO PRUDEN BUILDINGS, INC.		0	0	524	0
EQUIPMENT	1011736	METAL CUTTING OPERATION #1 CONSISTING OF ONE (1) MG INDUSTRIES TITAN 6/4 MODEL PLASMA SHEET CUTTER SERVED BY A DOWNDRAFT VACUUM TABLE WITH A TORIT DFT 3-6 BAGHOUSE. MODIFICATION TO REMOVE SOURCE TESTING REQUIREMENTS FOR TITLE V PERMIT RENEWAL.					
ADDRESS	530 S. TEGNER ROAD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-2274-7-0	VARCO PRUDEN BUILDINGS, INC.					

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-2274-7-0	VARCO PRUDEN BUILDINGS, INC.					
EQUIPMENT	980143	METAL CUTTING OPERATION #2 CONSISTING OF ONE (1) MG INDUSTRIES TITAN 6/4 MODEL PLASMA SHEET CUTTER SERVED BY A DOWNDRAFT VACUUM TABLE WITH A TORIT MODEL SDF-6 DUST COLLECTOR					
ADDRESS	530 S. TEGNER ROAD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-2274-7-1	VARCO PRUDEN BUILDINGS, INC.					
EQUIPMENT	990456	METAL CUTTING OPERATION #2 CONSISTING OF ONE (1) MG INDUSTRIES TITAN 6/4 MODEL PLASMA SHEET CUTTER SERVED BY A DOWNDRAFT VACUUM TABLE WITH A TORIT MODEL SDF-6 DUST COLLECTOR. MODIFICATION TO INCREASE EMISSION CONCENTRATION AND REDUCE OP. HOURS.					
ADDRESS	530 S. TEGNER ROAD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-2274-7-2	VARCO PRUDEN BUILDINGS, INC.					
EQUIPMENT	990518	METAL CUTTING OPERATION #2 CONSISTING OF ONE (1) MG INDUSTRIES TITAN 6/4 MODEL PLASMA SHEET CUTTER SERVED BY A DOWNDRAFT VACUUM TABLE WITH A TORIT MODEL DFT 3-6 BAGHOUSE. MODIFICATION TO REPLACE THE EXISTING TORIT SDF-6 DUST COLLECTOR.					
ADDRESS	530 S. TEGNER ROAD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-2274-7-5	VARCO PRUDEN BUILDINGS, INC.		0	0	524	0
EQUIPMENT	1011736	METAL CUTTING OPERATION #2 CONSISTING OF ONE (1) MG INDUSTRIES TITAN 6/4 MODEL PLASMA SHEET CUTTER SERVED BY A DOWNDRAFT VACUUM TABLE WITH A TORIT MODEL DFT 3-6 BAGHOUSE. MODIFICATION TO REMOVE SOURCE TESTING REQUIREMENTS FOR TITLE V PERMIT RENEWAL.					
ADDRESS	530 S. TEGNER ROAD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-2327-3-0	SUPHERB FARMS		3796	219	2044	3906

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-2327-3-0	SUPHERB FARMS		3796	219	2044	3906
EQUIPMENT	1010994	HERB PROCESSING LINE WITH A 12 MMBTU/HR (4 BURNERS EACH RATED AT 3 MMBTU/HR) AEROGLIDE, MODEL C1 96-45 RGO, DRYER.					
ADDRESS	300 DIANNE DR.						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-2332-25-1	SIMON NEWMAN INC		0	0	0	0
EQUIPMENT	1000251	MINERAL RECEIVING, STORAGE AND CONVEYING OPERATION WITH FIVE STORAGE SILOS AND FIVE ENCLOSED SCREW CONVEYORS. FOUR OF THE SILOS ARE SERVED BY DENTON MODEL 5M-1300 BIN VENT FILTERS AND ONE OF THE SILOS IS SERVED BY A MONTANA AIR COMPANY MODEL #10-464-76 BIN VENT FILTER. MODIFICATION TO DISCONNECT FOUR OF THE SILOS FROM THE MAIN BAGHOUSE AND INSTALL ONE DENTON MODEL 5M-1300 BIN VENT FILTER ON EACH OF THE FOUR SILOS THAT WERE DISCONNECTED FROM THE BAGHOUSE.					
ADDRESS	407 S TEGNER RD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-2332-35-0	SIMON NEWMAN INC		0	0	548	0
EQUIPMENT	1010280	FINISHED FEED RECEIVING AND STORAGE OPERATION WITH A COMMODITIES BARN AND A TRUCK LOADOUT OPERATION. (THE FINISHED FEED COMMODITIES ARE RECEIVED FROM N-2332-21)					
ADDRESS	407 S TEGNER RD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-3010-2-0	CAL-COAST DAIRY SYSTEMS, INC.					
EQUIPMENT	970678	ONE (1) 1,000 GALLON "ABOVE GROUND TANK VAULT" ABOVEGROUND GASOLINE STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-160) WITH ONE (1) GASOLINE DISPENSING NOZZLE SERVED BY BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-160)					
ADDRESS	424 S TEGNER RD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-3010-3-0	CAL-COAST DAIRY SYSTEMS, INC.		0	0	621	0

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-3010-3-0	CAL-COAST DAIRY SYSTEMS, INC.		0	0	621	0
EQUIPMENT	1000741	METAL CUTTING OPERATION WITH A HYPERTHERM MODEL HT2000 PLASMA ARC CUTTING SYSTEM SERVED BY A HYPERTHERM WATER TABLE FUME CONTROL SYSTEM					
ADDRESS	424 S TEGNER RD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-3120-3-3	EMANUEL MEDICAL CENTER		1771	399	167	1110
EQUIPMENT	1010869	MODIFICATION OF: ONE (1) CLEAVER BROOKS BOILER (MODEL # FLX-900) (BOILER #1) WITH A 9.0 MMBTU/HR LOW NOX WEBSTER BURNER (MODEL # JBX36) AND AN INDUCED FLUE GAS RECIRCULATION SYSTEM: REPLACE 9 MMBTU/HR BURNER WITH A 4.9 MMBTU/HR BURNER.					
ADDRESS	825 DELBON AVENUE						
	TURLOCK	CA	95382				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-3120-4-3	EMANUEL MEDICAL CENTER		1908	399	167	1110
EQUIPMENT	1010869	MODIFICATION OF: ONE (1) CLEAVER BROOKS BOILER (MODEL # FLX-900) (BOILER #1) WITH A 9.0 MMBTU/HR LOW NOX WEBSTER BURNER (MODEL # JBX36) AND AN INDUCED FLUE GAS RECIRCULATION SYSTEM: REPLACE 9 MMBTU/HR BURNER WITH A 4.9 MMBTU/HR BURNER.					
ADDRESS	825 DELBON AVENUE						
	TURLOCK	CA	95382				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-3184-4-1	FOSTER TURKEY PRODUCTS		5141	365	1249	12981
EQUIPMENT	1010487	19.38 MMBTU/HR CLEAVER BROOKS MODEL CBLE 700-475 BOILER WITH A LOW NOX BURNER AND AN INDUCED FLUE GAS RECIRCULATION SYSTEM. MODIFICATION TO ADD YELLOW GREASE AND POULTRY FAT AS PRIMARY FUELS.					
ADDRESS	711 "F" STREET						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-3184-5-1	FOSTER TURKEY PRODUCTS		5141	365	1249	12981

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-3184-5-1	FOSTER TURKEY PRODUCTS		5141	365	1249	12981
EQUIPMENT	1010487	19.38 MMBTU/HR CLEAVER BROOKS MODEL CBLE 700-475 BOILER WITH A LOW NOX BURNER AND AN INDUCED FLUE GAS RECIRCULATION SYSTEM. MODIFICATION TO ADD YELLOW GREASE AND POULTRY FAT AS PRIMARY FUELS.					
ADDRESS	711 "F" STREET						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-3372-3-1	SUPERIOR ARMATURE				92	
EQUIPMENT	990784	MODIFICATION OF THE ELECTRIC MOTOR PARTS FABRICATION OPERATION TO INCREASE THE COMBINED QUANTITY OF MATERIAL COLLECTED BY THE TWO (2) DUST COLLECTORS FROM 7 LBS/DAY TO 25 LBS/DAY.					
ADDRESS	1142 S FIRST STREET						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-3552-1-1	JESTER AUTO WORKS					
EQUIPMENT	990249	MODIFICATION TO MOTOR VEHICLE & MOBILE EQUIPMENT COATING OPERATION TO REPLACE EXISTING BINKS PAINT SPRAY BOOTH WITH A VIKING (25.8'LENGTH X 14' WIDTH X 9' HEIGHT) PAINT SPRAY BOOTH. NO CHANGE IN DAILY EMISSION LIMITS OR FACILITY-WIDE LIMITS.					
ADDRESS	545 S CENTER STREET						
	TURLOCK	CA	95380-4968				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-3578-2-0	STILES TRUCK BODY & EQUIPMENT		0	0	365	0
EQUIPMENT	1000255	WOOD PRODUCTS AND METAL PARTS & PRODUCTS COATING OPERATION SERVED BY A VIKING PAINT SPRAY BOOTH WITH DRY EXHAUST FILTERS, HVLP SPRAY EQUIPMENT.					
ADDRESS	701 S. GOLDEN STATE BLVD						
	TURLOCK	CA	95381				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-3739-1-1	CENTRAL VALLEY CHEESE					

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-3739-1-1	CENTRAL VALLEY CHEESE					
EQUIPMENT	990497	MODIFY 12.5 MMBTU/HR WILLIAMS & DAVIS NATURAL GAS-FIRED BOILER, MODEL 300-777,WITH A LOW-NOX BURNER WITH FORCED FLUE GAS RECIRCULATION (FGR) SYSTEM: ADD PROVISIONS FOR ALTERNATE EMISSION MONITORING (METHOD D) FOR RULE 4305 COMPLIANCE					
ADDRESS	107 S KILROY						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-3831-2-0	P & F METALS				1022	
EQUIPMENT	1011277	OUTDOOR METAL PARTS & PRODUCTS COATING OPERATION UTILIZING HVLP SPRAY APPLICATION EQUIPMENT					
ADDRESS	301 S BROADWAY						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-3831-3-0	P & F METALS		0	0	840	0
EQUIPMENT	1011895	METAL PARTS AND PRODUCTS COATING OPERATION WITH HVLP GUN AND PAINT SPRAY BOOTH WITH EXHAUST FILTERS					
ADDRESS	301 S BROADWAY						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-3858-1-0	BEALL TRAILERS OF CALIFORNIA					
EQUIPMENT	970211	METAL CUTTING OPERATION CONSISTING OF ONE (1) 69 KVA MERLIN MODEL 15XC PLASMA ARC METAL CUTTING TORCH SYSTEM SERVED BY ONE (1) AERCOLOGY MODEL FDH9000 MODULAR MEDIAFILTER DUST COLLECTOR WITH A HEPA FILTER					
ADDRESS	1301 SOUTH AVENUE						
	TURLOCK	CA	95380-5108				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-3858-2-1	BEALL TRAILERS OF CALIFORNIA				1752	

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-3858-2-1	BEALL TRAILERS OF CALIFORNIA				1752	
EQUIPMENT	1020419	MODIFICATION OF THE MOBILE EQUIPMENT COATING OPERATION TO INSTALL AND UTILIZE A GOLDEN WEST MODEL T60DT DSD PAINT BOOTH.					
ADDRESS	1301 SOUTH AVENUE						
	TURLOCK	CA	95380-5108				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-3858-3-0	BEALL TRAILERS OF CALIFORNIA					
EQUIPMENT	990528	METAL CUTTING OPERATION CONSISTING OF ONE MERLIN MODEL 6000 PLASMA ARC METAL CUTTING SYSTEM SERVED BY ONE AERCOLOGY MODEL CX-9 DUST COLLECTOR					
ADDRESS	1301 SOUTH AVENUE						
	TURLOCK	CA	95380-5108				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-3867-1-2	FOSTER POULTRY FARMS					
EQUIPMENT	990557	8.4 MMBTU/HR KEWANEE BOILER (6,000 LB STEAM/HR), MODEL H 35-200-GO, WITH INDUSTRIAL COMBUSTION LOW-NOX BURNER, MODEL LNDG-105-P-A, & FLUE GAS RECIRCULATION SYSTEM. MODIFICATION TO INCLUDE ALTERNATE EMISSION MONITORING PLAN REQUIREMENTS OF RULE 4305.					
ADDRESS	520 C STREET						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-3964-2-0	KORITA'S AUTO BODY					
EQUIPMENT	980247	MOTOR VEHICLE & MOBILE EQUIPMENT COATING OPERATION WITH HVLP SPRAY GUN(S), PAINT SPRAY BOOTH WITH EXHAUST FILTERS, AND SPRAY GUN CLEANER.					
ADDRESS	851 N FRONT STREET						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-3966-1-0	TURLOCK AUTO PLAZA					

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-3966-1-0	TURLOCK AUTO PLAZA					
EQUIPMENT	970779	ONE (1) 800 GALLON "ABOVE GROUND TANK VAULT" ABOVEGROUND GASOLINE STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-160) WITH ONE (1) GASOLINE DISPENSING NOZZLE SERVED BY BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-160)					
ADDRESS	1600 AUTO MALL DR						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4002-1-0	B & B MANUFACTURING					
EQUIPMENT	980242	SURFACE COATING OF METAL PARTS AND PRODUCTS SERVED BY A BINKS PAINT SPRAY BOOTH					
ADDRESS	410 S GOLDEN STATE BLVD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4095-1-0	E.J. HACKETT					
EQUIPMENT	980764	ABRASIVE BLASTING OPERATION WITH A 300 LB. CLEMCO INDUSTRIES BLASTING POT.					
ADDRESS	600 W LINWOOD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4130-1-0	KEAS INDUSTRIAL COATING, INC.					
EQUIPMENT	980846	ABRASIVE BLASTING OPERATION WITH A 200 LB CLEMCO BLASTING POT.					
ADDRESS	724 W LINWOOD AVENUE						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4131-1-0	ALCALA WROUGHT IRON & SUPPLIES					
EQUIPMENT	980851	METAL PARTS AND PRODUCTS COATING OPERATION					
ADDRESS	1237 N GOLDEN STATE BLVD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4141-1-0	GIL'S CABINETS					
EQUIPMENT	990157	WOODWORKING OPERATION CONSISTING OF A TABLE SAW AND A SHAPER SERVED BY A RELIANT, MODEL NN720, DUST COLLECTOR, AND A SANDER AND A RADIAL ARM SAW SERVED BY A DELTA, MODEL 50-840, DUST COLLECTOR.					
ADDRESS	124 I STREET						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4162-1-0	T & T CABINETS					
EQUIPMENT	990271	WOOD WORKING OPERATION SERVED BY ONE CUSTOM, ONE LEESON, ONE DAYTON, AND TWO SEARS DUST COLLECTORS					
ADDRESS	2548 PAULSON ROAD SUITE L						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4256-1-0	INTERNATIONAL WOOD INDUSTRIES, INC		0	0	2600	0
EQUIPMENT	991056	WOOD WORKING OPERATION WITH: ONE MULTISCORE, MODEL MR21, RIP SAW; ONE MULTISCORE, MODEL MC 21, CROSS CUT SAW; TWO DE WALT RADIAL ARM SAWS; ONE T. BOYD SHOP BUILT RIP SAW; ONE SIERRA MOTION DRILL ALL SERVED BY A CARTER-DAY MODEL 72RJ37 BAGHOUSE.					
ADDRESS	230-250 D STREET						
	TURLOCK	CA	95381				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4256-2-0	INTERNATIONAL WOOD INDUSTRIES, INC		0	0	2592	0
EQUIPMENT	1011422	WOODWORKING OPERATION WITH ONE (1) SCMI MODEL 240 ROUTER AND TWO (2) SHAPERS ALL SERVED BY A LMC MODEL 121 FTD BAGHOUSE.					
ADDRESS	230-250 D STREET						
	TURLOCK	CA	95381				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4318-1-0	ZAPIEN AUTOBODY & REPAIR		0	0	3103	0

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4318-1-0	ZAPIEN AUTOBODY & REPAIR		0	0	3103	0
EQUIPMENT	1000169	MOTOR VEHICLE AND MOBILE EQUIPMENT COATING OPERATION SERVED BY A CLOSED-FACE SPRAY BOOTH WITH EXHAUST FILTERS, HVLP SPRAY GUNS AND A GUN CLEANER.					
ADDRESS	924 W. GLENWOOD AVENUE						
	TURLOCK	CA	95381				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4434-4-0	GOLDEN STATES SERVICES		728	0	228	2217
EQUIPMENT	1011849	7.876 MMBTU/HR MIURA, MODEL LK, NATURAL GAS FIRED BOILER WITH A MIURA, MODEL LX 200SG, LOW NOX BURNER.					
ADDRESS	1428 W LINWOOD AVENUE						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4501-1-0	IRRIGATION SOLUTIONS INC		0	0	1460	0
EQUIPMENT	1010350	METAL PARTS AND PRODUCTS COATING OPERATION SERVED BY A RELY-ON MODEL IF2148 PAINT SPRAY BOOTH AND HVLP APPLICATORS. TRANSFER OF LOCATION OF PERMIT UNIT S-954-1.					
ADDRESS	301 S SODERQUIST ROAD SUITE E						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4544-1-0	STILES TRUCK BODY & EQUIPMENT, INC		0	0	365	0
EQUIPMENT	1010621	WOOD AND METAL PARTS AND PRODUCTS COATING OPERATION SERVED BY A VIKING PAINT SPRAY BOOTH AND HVLP SPRAY APPLICATION EQUIPMENT.					
ADDRESS	728 S CENTER STREET						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4563-1-0	SAFEWAY INC		0	0	0	0

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4563-1-0	SAFEWAY INC		0	0	0	0
EQUIPMENT	1010795	ONE (1) 20,000 GALLON AND ONE (1) 20,000 GALLON (SPLIT COMPARTMENT 10,000/10,000) UNDERGROUND STORAGE TANKS SERVED BY A PHIL-TITE PHASE I ENHANCED VAPOR RECOVERY SYSTEM (VR-101-A) WITH EIGHTEEN (18) FUELING POINTS AND EIGHTEEN (18) GASOLINE DISPENSING NOZZLES SERVED BY A WAYNEVAC VACUUM ASSIST PHASE II VAPOR RECOVERY SYSTEM (G-70-153-AC).					
ADDRESS	SWC MONTE VISTA AVENUE & COUNTRYSIDE						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4586-1-0	LEE BARKHOUSEN OF BARKHOUSEN BR		438	0	0	365
EQUIPMENT	1011148	SOIL REMEDIATION OPERATION EMPLOYING A 500 MBTU THERMAL OXIDIZER AND A 7.5 HP POSITIVE DISPLACEMENT BLOWER					
ADDRESS	952 LANDER AVENUE						
	TURLOCK	CA	95382				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4595-1-0	CITY OF TURLOCK		1284	28	10	86
EQUIPMENT	1011189	455 HP DETROIT DIESEL, MODEL S60, DIESEL FIRED EMERGENCY INTERNAL COMBUSTION ENGINE POWERING A 275 KW ELECTRIC GENERATOR.					
ADDRESS	MONTE VISTA AVENUE AT TEGNER ROAD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4595-2-0	CITY OF TURLOCK		1792	48	17	206
EQUIPMENT	1021081	635 HP DETROIT DIESEL, MODEL 6063-HK35, DIESEL FIRED EMERGENCY INTERNAL COMBUSTION ENGINE POWERING A 350 KW ELECTRIC GENERATOR					
ADDRESS	MONTE VISTA AVENUE AT TEGNER ROAD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4598-1-0	ED BOZORGHADAD		0	0	0	0

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4598-1-0	ED BOZORGHADAD		0	0	0	0
EQUIPMENT	1011267	ONE (1) 12,000 GALLON AND ONE (1) 8,000 GALLON UNDERGROUND STORAGE TANKS SERVED BY A PHIL-TITE PHASE I VRS (VR-101-A) WITH TWELVE (12) FUELING POINTS AND TWELVE (12) GASOLINE DISPENSING NOZZLES SERVED BY A BALANCE PHASE II VRS (G-70-52-AM).					
ADDRESS	5000 E KEYES ROAD						
	TURLOCK	CA					

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4601-1-0	USA GASOLINE CORPORATION		0	0	0	0
EQUIPMENT	1011288	TWO (2) 15,000 GALLON UNDERGROUND STORAGE TANKS SERVED BY PHIL-TITE PHASE I VAPOR RECOVERY SYSTEM (VR-101-A) AND TWELVE (12) FUELING POINTS WITH TWELVE (12) GASOLINE DISPENSING NOZZLES SERVED BY HEALY / FRANKLIN 600 ORVR / 800 PHASE II VAPOR RECOVERY SYSTEM (G-70-191-AA).					
ADDRESS	2851 W MONTE VISTA AVENUE						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4613-1-0	CHARTER COMMUNICATIONS		1032	29	20	106
EQUIPMENT	1011488	380 BHP CUMMINS MODEL LTA-10G1 DIESEL-FIRED EMERGENCY IC ENGINE SERVING A 250 KW ELECTRICAL GENERATOR					
ADDRESS	773 N WALNUT AVE						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4688-2-0	LEE'S BODY SHOP		0	0	3103	0
EQUIPMENT	1020823	MOTOR VEHICLE AND MOBILE EQUIPMENT COATING OPERATION WITH HVLP SPRAY GUN(S), PAINT SPRAY BOOTH WITH EXHAUST FILTERS AND SPRAY GUN CLEANER					
ADDRESS	4480 W GOLDEN STATE BLVD						
	TURLOCK	CA	95382				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4750-1-0	HOME DEPOT		461	11	9	24

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4750-1-0	HOME DEPOT		461	11	9	24
EQUIPMENT	1020841	166 HP JOHN DEERE MODEL 6068T DIESEL-FIRED EMERGENCY IC ENGINE POWERING A 105 KW ELECTRICAL GENERATOR					
ADDRESS	2800 COUNTRYSIDE DR						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4765-1-0	PHILIP & PATRICIA SONDENO, TRUSTEES					
EQUIPMENT	1021029	ONE 14,000 GAL. AND ONE 8,000 GAL. ABOVEGROUND STORAGE TANKS IN A JENSEN PRECAST UNDERGROUND VAULT SERVED BY A TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-102-B) WITH 12 FUELING POINTS AND 12 GASOLINE DISPENSING NOZZLES SERVED BY A HIRT VCS400-7 PHASE II VAPOR RECOVERY SYSTEM (G-70-181)					
ADDRESS	1801 LANDER AVENUE						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4766-1-0	MONTE VISTA LLC					
EQUIPMENT	1021030	ONE 14,000 GAL. AND ONE 8,000 GAL. ABOVEGROUND STORAGE TANK IN A JENSEN PRECAST UNDERGROUND VAULT SERVED BY A TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-102-B) WITH 12 FUELING POINTS AND 12 GASOLINE DISPENSING NOZZLES SERVED BY A HIRT VCS400-7 PHASE II VAPOR RECOVERY SYSTEM (G-70-181)					
ADDRESS	3420 TEGNER ROAD						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4781-1-0	CARL'S JR		78	0	567	16
EQUIPMENT	1021075	COMMERCIAL CHARBROILER: 0.096 MMBTU/HR NIECO MODEL 824B, NATURAL GAS-FIRED, CHAIN-DRIVEN					
ADDRESS	100 N WALNUT						
	TURLOCK	CA	95380				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4782-1-0	CARL'S JR		78	0	484	16

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4782-1-0	CARL'S JR		78	0	484	16
EQUIPMENT	1021076	COMMERCIAL CHARBROILER: 0.096 MMBTU/HR NIECO MODEL 824B, NATURAL GAS-FIRED, CHAIN-DRIVEN					
ADDRESS	2980 GEER RD						
	TURLOCK	CA	95382				

			Emission are in LB/Yr	PTE Nox	PTE Sox	PTE Pm10	PTE Co
Facility_ID	N-4805-1-0	BURGER KING #2871		78	0	541	16
EQUIPMENT	1021144	COMMERCIAL CHARBROILER: 0.096 MMBTU/HR NIECO MODEL 960, NATURAL GAS-FIRED, CHAIN-DRIVEN					
ADDRESS	1610 W MAIN ST						
	TURLOCK	CA	95380				

ATTACHMENT AQ-23b

Public Information Request – Permit ATC Applications for the City of Turlock

Public Info Request - Permit ATC Apps for the city of Turlock

ZONE	N	2246	TURLOCK IRRIGATION DISTRICT
ADDRESS	325 WASHINGTON ROAD		
	TURLOCK	CA	95380
PROJECT #	1021521		
PROJSTAT	COMPLETE		
PROJ_DES	the installation of a 250 MW electric power generation system		
ZONE	N	2246	TURLOCK IRRIGATION DISTRICT
ADDRESS	325 WASHINGTON ROAD		
	TURLOCK	CA	95380
PROJECT #	1021732		
PROJSTAT	SUPRV REVW		
PROJ_DES	the modification of two 25.8 MW gas turbine engines to comply with District Rule 4703		
ZONE	N	2255	SENSIENT DEHYDRATED FLAVORS COMPANY
ADDRESS	151 SOUTH WALNUT ROAD		
	TURLOCK	CA	95380
PROJECT #	1021663		
PROJSTAT	PR-INCOMPL		
PROJ_DES	Remove scrubbers and increase throughput of chili pepper line.		

ZONE	N	2332	SIMON NEWMAN INC

ADDRESS	407 S TEGNER RD		
	TURLOCK	CA	95380

PROJECT #	1020620
PROJSTAT	FR-ASSIGND
PROJ_DES	modification of various permits to change process rates

ZONE	N	2867	PACIFIC BELL

ADDRESS	325 N CENTER STREET		
	TURLOCK	CA	95380

PROJECT #	1021321
PROJSTAT	FR-PUB NOT
PROJ_DES	1200 hp diesel fired emergency IC engine

ZONE	N	3858	BEALL TRAILERS OF CALIFORNIA

ADDRESS	1301 SOUTH AVENUE		
	TURLOCK	CA	95380-5108

PROJECT #	1020876
PROJSTAT	FR-ASSIGND
PROJ_DES	modification of metal parts plasma arc cutting operation to change the dust collector control efficiency, increase the daily emission limits, and remove the cutting of stainless steel

ZONE	N	4226	TURLOCK SCAVENGER COMPANY

ADDRESS	1200 S. WALNUT ROAD		
	TURLOCK	CA	

PROJECT #	990796
PROJSTAT	SUPRV REVW
PROJ_DES	TWO IC ENGINES FOR VARIOUS LOCATION PERMIT (ENGINES PREVIOUSLY HAD DISTRICT-ISSUED PORTABLE EQUIPMENT REGISTRATIONS)

ZONE	N	4625	MUNSON INDUSTRIES

ADDRESS	1201 S SODERQUIST		
	TURLOCK	CA	95380

PROJECT #	1021635
PROJSTAT	PR-INCOMPL
PROJ_DES	one abrasive blasting and one coating operation

ZONE	N	4675	LALO'S AUTO BODY & PAINT

ADDRESS	851 N FRONT STREET		
	TURLOCK	CA	95380

PROJECT #	1020158
PROJSTAT	PR-INCOMPL
PROJ_DES	automotive coating operation

ZONE	N	4781	CARL'S JR

ADDRESS	100 N WALNUT		
	TURLOCK	CA	95380
PROJECT #	1021703		
PROJSTAT	PR-ASSIGND		
PROJ_DES	GEAR: add control device to existing charbroiler for Rule 4692 compliance		

ZONE	N	4782	CARL'S JR

ADDRESS	2980 GEER RD		
	TURLOCK	CA	95382
PROJECT #	1021704		
PROJSTAT	PR-ASSIGND		
PROJ_DES	GEAR: add control device to existing charbroiler for Rule 4692 compliance		

ZONE	N	4805	BURGER KING #2871

ADDRESS	1610 W MAIN ST		
	TURLOCK	CA	95380
PROJECT #	1021682		
PROJSTAT	SUPRV REVW		
PROJ_DES	GEAR: add control device to existing charbroiler for Rule 4692 compliance		

ZONE	N	4825	E & R CABINET SHOP

ADDRESS	1332 VENTURE WAY		
	TURLOCK	CA	95380
PROJECT #	1021185		
PROJSTAT	COMPLETE		
PROJ_DES	the installation of a wood working operation served by two dust collectors		

WALNUT ENERGY CENTER
(02-AFC-4)
DATA RESPONSES, SET 1D

Technical Area: Cultural Resources
CEC Author: Gary Reinoehl
WEC Authors: James C. Bard, Ph. D., Elizabeth Calvit

BACKGROUND

Table 4 includes the Tidewater Southern Railroad and Canal Lateral No. 5 in the list of resources within the project area. The report includes a discussion of the two resources. The confidential appendix includes a copy of the site record for the Tidewater Southern Railroad outside of the project area. The discussion indicates that the resources have been evaluated by other specialists as not meeting the criteria for eligibility to the NRHP.

DATA REQUESTS

44. Please provide a DPR 523 record for Canal Lateral No. 5 that includes the portion of the resource within the project area.

    Response: A DPR 523 form has been prepared for Canal Lateral No. 5 and is provided as Attachment CUL-44. Five copies of the other DPR forms were provided in Data Response, Set 1C; therefore, five copies of this DPR form are being furnished to staff. Electronic copies will be provided to others upon request.

BACKGROUND

The Cultural Resources Management Report states that breaches of Lateral No.5 would not produce any permanent damage. It goes on to state that such a breach would not affect the resources eligibility for the NRHP or the CRHR because those types of operations do not diminish the historic values associated with historical canals. A breach of the canal would cause a loss of historic materials if the materials removed were from the period of significance. The breach and repair of the canal would also constitute a change in workmanship from the period of significance. Whether a breach and repair of the canal would effect the canal would depend on the character defining elements, the manner in which the repair is completed, and how the character defining elements might be changed.

DATA REQUESTS

45. Please provide, as part of the DPR 523 requested in data request 44, the period of significance for Lateral No. 5, a discussion of the character defining attributes for the lateral as they were within the period of significance, the criteria under which the resource may be eligible, and a context within which the eligibility of the resource can be considered.

    Response: A discussion of the character defining attributes and period of significance within a context statement has been included in the DPR 523 form prepared for Canal Lateral No. 5. The Canal Lateral No. 5 DPR 523 form is provided as Attachment

CUL-44. Additionally, a revised Cultural Resources Management Report that addresses Canal Lateral No. 5 and incorporates changes from Data Response Set 1C has been provided as Attachment CUL-45.

ATTACHMENT CUL-44

Appendix B – Revised DPR Form 523 for Lateral No. 5

Five copies of Attachment CUL-44 Appendix B – Revised DPR Form 523 for Lateral No. 5 were submitted to the California Energy Commission.

ATTACHMENT CUL-45

Cultural Resources Management Report - Revised

Five copies of Attachment CUL-45 – Cultural Resources Management Report - Revised were submitted to the California Energy Commission.

WALNUT ENERGY CENTER
(02-AFC-4)
DATA RESPONSES, SET 1D

Technical Area: Visual Resources
CEC Author: Eric Knight and William Walters
WEC Authors: Wendy Haydon

BACKGROUND

The visual simulations provided in the AFC do not appear to accurately depict the size of the various project structures relative to each other, or the scale or location of the power plant relative to the various key observation points (KOPs). According to Table 8.11-2 and the elevation views (Figures 2.2-2a and 2.2-2b) provided in the AFC, the HRSG units, not including the highest drums and relief valves, are approximately half as tall as the HRSG stacks (65 feet and 132 feet tall, respectively). The simulations for KOPs 2, 4, and 5 do not accurately depict the size of these structures relative to each other (i.e., the HRSGs appear to be much less than half the size of the stacks). In KOP 2, the project does not appear to be in the correct position relative to the Foster Farms silos. It seems that the project should be located to the left somewhat. In addition, the base of the project is simulated too close to the KOP, when in reality it would appear farther away than the base of the Foster Farms facility. In KOP 3, the project structures appear to be placed too far to the right in the simulation. The cooling tower is not shown in the simulation for KOP 4, which would seem to be visible from this location. Also, some of the new project structures (which are assumed to be the 69 kV transmission poles) appear to be protruding from behind one of the agricultural-related industrial facilities to the east of the project site, which is not consistent with the site plans. KOPs 4 and 5 are essentially the same distance from the project site, yet the project appears much larger in the simulation for KOP 5 than it does in KOP 4.

DATA REQUEST

74. Please provide high quality 11” x 17” color photocopies of the visual simulations. The images need to be presented at “life-size” scale, when held at a normal reading distance of 18 inches. Please also provide high resolution electronic copies of these images.

    Response: A color photocopy of the visual simulation of KOP 3 is attached as Figure 8.11-11bR. An electronic file of all of the revised visual simulations has also been provided to CEC Staff on a CD-ROM.

FIGURE 8.11-11bR
KOP 3: SIMULATED VIEW OF PROJECT SITE FROM 425 COMMONS ROAD RESIDENCE
WALNUT ENERGY CENTER

CH2MHILL